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WATER SUPPLY OUTLOOK FOR NEVADA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
APR. 1, 1969

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR NEVADA

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FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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|||||

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ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
American Beauty	15J17a	7, 10	Lamoille #3	15J6M	7, 10
Baker #1	14L1	6	Lamoille #4	15J7	7, 10
Baker #2	14L2	6	Lamoille #5	15J8	7, 10
Baker #3	14L3	6	Lapon Meadow	18L1	4
Bald Mountain	19H1	12	Laurel Draw	16H5	9
Barber Creek	20H5	12	Leavitt Meadows	19L8	4
Bear Creek	15H1MA	9			
Berry Creek	14K2	6	Lee Canyon #2	15N3	5
Big Bend	15H4MP	9, 10	Lee Canyon #3	15N8	5
Big Creek Campground	17K1	5	Little Bally Mtn.	19H4a	12
Big Creek Mine	17K2	5	Little Valley	19K3	1
Big Creek, Upper	17K3	5	Lobdell Lake	19L17a	4
Bird Creek	14K1	6	Louse Canyon	17G4a	11
Blue Lakes	19L5	2, 3	Lower Corral	17L1	5
Boca #2	20K14	1, 3			
Brockway Summit	20K22	1	Marlette Lake	19K4M5TZ	1, 2
Buckeye Forks	19L11	4	Martin Creek	17H3	11
Buckeye Roughs	19L10	4	Mathew Canyon	14M1	5
Buckskin, Lower	17H2	10, 11	Merritt Mtn.	15H20	9
Buckskin, Upper	17H1	10, 11	Midas	16H3AP	9, 10
			Montgomery Pass	18M1	5
Campito Mountain	18M2	5	Mt. Grant	18L2	4
Carson Pass, Upper	19L4	2, 3	Mt. Rose	19K2	1
Cave Creek	15J13	7, 10	Murray Summit	14K3	6
Cedar Pass	20H6	12			
Center Mountain	19L12A	4	Oregon Canyon	17G5a	11
Chiatovich Flat	18M5	5			
Clark Canyon	15N2	5	Pinchot Creek	18M3a	5
Clear Creek	19K5	2, 3	Pine Canyon	14M2	5
Columbia Basin	16H6a	9	Piute Pass	18M4a	5
Corral Canyon	15J12A	7, 10	Poison Flat	19L6A	2, 3
			Pole Canyon	15J18a	8, 10
Daggetts Pass	19L14	1, 2, 3	Pole Creek R. S.	15H14	8
Denio Creek	18G6a	11			
Disaster Peak	18H1	11	Quinn Ridge	17H6a	11
Dismal Swamp	20H3a	12			
Donner Park #2	20K21	1	Rainbow Canyon #2	15N7	5
Donner Summit	20K10	1, 3	Red Point	15H18a	8
Dorsey Basin	15J1MP	7, 10	Reservation Creek	20H4	12
Dry Creek	15J3	7, 10	Richardsons #2	20L3	1
			Robinson Lake	15J16a	7, 10
Eagle Peak	20H7	12	Robinson Summit	15K1	6
Ebbetts Pass	19L19a	2	Rodeo Flat	15H6MP	9, 10
Echo Summit	20L5	1, 2, 3	Rubicon #1	20L1	1
			Rubicon #2	20L2	1
Fawn Creek	16H8a	9, 10	Ryan Ranch	15J2	7, 10
Fordyce Lake	20K7	1, 3			
49-Mtn.	19H3	12	Sage Hen Creek	20K6	1, 3
Fox Creek	15H2	9	76 Creek	15H3A	9, 10
Freel Bench	19L2	1	Silver Creek #2	14K7	6
Fry Canyon	15H7	10	Sonora Pass	19L7M	2, 3, 4
Furnace Flat	20K8	1, 3	Sonora Pass Snowpillow	19L23stz	2, 3, 4
			Squaw Valley #2	20K19	1
Glenbrook #2	19K6	1, 2	Stag Mtn.	15H19a	9, 10
Goat Creek	15H13	8			
Golconda #2	17J2	10	Tahoe City	20K16	1, 3
Gold Creek	15H5	9, 10	Taylor Canyon	15H9MP	9, 10
Granite Peak	17H4	11	Tioga Pass	19M1	4
Green Mountain	15J9MP	7, 10	Toe Jam	16H7a	9
			Tremewan Ranch	15H8	9, 10
Hagans Meadow	19L3MSZ	1, 3	Trough Springs	15N1	5
Hager Canyon	15J14	6, 7, 10	Trout Creek	18G5a	11
Harrison Pass #1	15J10	7, 10	Trout Creek, Lower	15H10P	7, 10
Harrison Pass #2	15J11	7, 10	Trout Creek, Upper	15H11A	7, 10
Hays Canyon	19H2	12	Truckee #2	20K13M	1
Hole-In-Mountain	15J15	7, 10			
Hummingbird Springs	15H15A	8	Upper Corral	17L2	5
			Upper Fish Valley	19L16a	2
Independence Camp	20K4MPSTZ	1, 3	Upper Truckee	19L1	1
Independence Creek	20K3	1			
Independence Lake	20K5	1	Virginia Lakes	19L13M	4
			Virginia Lakes Snowpillow	19L22sz	4
Jack Creek, Lower	16H1M	9			
Jack Creek, Upper	16H2A	9	Ward Creek	20K17M	1, 3
Jacks Peak	16H4	9	Ward Creek #2	20K25STZ	1, 3
			Ward Mountain #2	14K5	6
Kalamazoo Creek	14K8	6	Webber Lake	20K2	1
Kyle Canyon	15N5	5	Webber Peak	20K1	1
			Wet Meadows Lake	19L18a	2
Lake Lucille	20L4	1	White River #1	15L1	6
Lamance Creek	17H5	10, 11	Willow Flat	19L9	4
Lamoille #1	15J4	7, 10	Wolf Creek	19L20a	2
Lamoille #2	15J5	7, 10			

INDEX TO NEVADA SNOW COURSES

(By Basins)

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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Snake River Basin

Snake River					
15H1MA	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
15H19a	STAG MTN.	29	41N	58E	7800

Owyhee River

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL CANYON	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

Interior

Upper Humboldt River

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
16H6a	COLUMBIA BASIN	31	44N	53E	6650
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	DOORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

Lower Humboldt River

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700
17L2	UPPER CORRAL	20	11N	41E	8500

Eastern Nevada

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	23	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	26	16N	62E	7250
15K1	ROBINSON SUMMIT	23	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	7875
15L1	WHITE RIVER #1	31	13N	59E	7400

Central Great Basin

18M2	CAMPITO MTN (CAL.)	19	55	35E	10200
18M5a	CHIATOVICH FLAT	32	25	34E	10500
15M2	CLARK CANYON	8	19S	56E	9000
18M1	MONTGOMERY PASS	4	11N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	45	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

Northern Great Basin

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	ONION CREEK (OREG.)	14	41S	34E	6000
18H1	OLIVASTER PEAK	8	47N	34E	6500
20H3a	OSMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	31	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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Lake Tahoe

19L14	OACGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHARSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000
20K255TZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750

Truckee River

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	CONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	CONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
20K4MP	INDEPENDENCE CAMP (CAL.)	34	18N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K12	WEBBER LAKE (CAL.)	29	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

Carson River

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETS PASS (CAL.)	17	8N	20E	8700
19L6a	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100

Walker River

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8800
19L23SZ	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22SZ	VIRGINIA LAKES RIDGE	32	3N	25E	9200

Colorado

Lower Colorado River

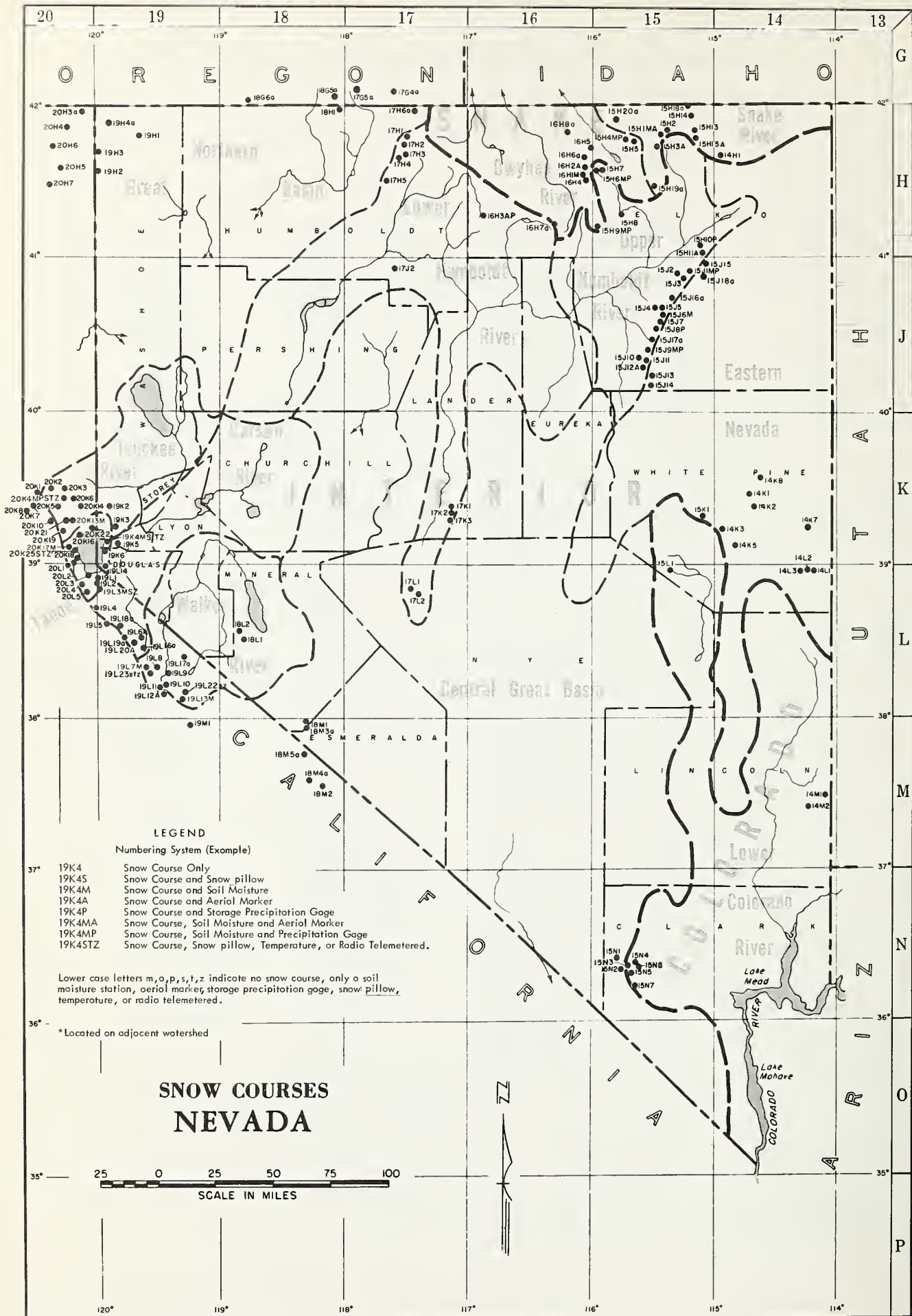
15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100

LEGEND NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERY.

LOWER CASE LETTERS m, a, p, s, t, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERY.

*LOCATED ON ADJACENT WATERSHED



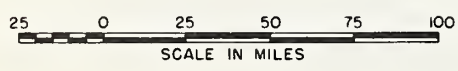
LEGEND
Numbering System (Example)

- 19K4 Snow Course Only
- 19K4S Snow Course and Snow pillow
- 19K4M Snow Course and Soil Moisture
- 19K4A Snow Course and Aerial Marker
- 19K4P Snow Course and Storage Precipitation Gage
- 19K4MA Snow Course, Soil Moisture and Aerial Marker
- 19K4MP Snow Course, Soil Moisture and Precipitation Gage
- 19K4STZ Snow Course, Snow pillow, Temperature, or Radio Telemetered.

Lower case letters m, o, p, s, t, z indicate no snow course, only o soil moisture station, aerial marker, storage precipitation gage, snow pillow, temperature, or radio telemetered.

* Located on adjacent watershed

SNOW COURSES
NEVADA



WATER SUPPLY OUTLOOK

FOR NEVADA

APRIL 1, 1969

EXCELLENT WATER SUPPLIES ARE ANTICIPATED FOR NEVADA THIS SPRING AND SUMMER.

STREAMFLOW IS PREDICTED TO BE IN EXCESS OF 200 PERCENT OF AVERAGE IN THE LARGER DRAINAGES IN NEVADA. THIS YEAR'S MOUNTAIN SNOWPACK HAS THE DEEPEST RECORD IN THE HISTORICAL RECORD OF THE STATE. MOST SNOW COURSES THAT DID NOT SET NEW RECORDS THIS YEAR WERE EXCEEDED ONLY BY 1952 RECORDS. SOILS THROUGHOUT THE MOUNTAIN SNOWPACK ARE SATURATED THROUGHOUT THE STATE. THE EXTREMELY DEEP SNOWPACK AND SATURATED SOILS POSE A THREAT OF LOCALIZED OVERFLOW OF STREAMS IN LOW-LYING OR RESTRICTED AREAS.

The 1969 snowpack varies from 150 percent of average in the Ruby Mountains, near Elko, to 367 percent on Mt. Charleston in Southern Nevada.

The snowpack in the Sierra Nevada Range varies from 215 percent of normal in the Truckee River drainage to 267 percent on the headwaters area of the Walker River drainage. This year's snowpack is typified by many new records. One such record is on Mt. Rose Snow Course, the oldest course in the Western United States, where 177 inches of snow containing 81.7 inches of water was measured this month. The previous record was 154 inches of snow, with 68.1 inches of water, measured in 1952. More snow remains on the snow courses in the Tonopah and Caliente areas than ever before. The current snowpack is 203 percent of average in East-Central and Central Nevada. The Humboldt River drainage has 211 percent of average snow cover, and the snow cover is 206 percent in Northwestern Nevada.

Mountain soils are saturated and will have little ability to permit more moisture from the melting snowpack to infiltrate. Valley soils are also reported to be in a moist condition. Last fall's precipitation coupled with the wet winter has left a large portion of Nevada's range-land in good condition for forage production this year.

Streamflow is predicted to be in excess of 200 percent of average for all of Nevada's major streams. For example, the Carson River is forecast to flow 440,000 acre-feet for the April-through-July period. This is 260 percent of the amount normally expected. Other streams originating in the Sierra Nevada Mountains will flow in the 200 to 260 percent range. Streamflow in Northeastern Nevada will be 160 to 220 percent of average this year. Water supplies in Central, East-Central, and North-Central Nevada will likewise be excellent this season.

Most reservoirs throughout the state have been drawn down in anticipation of this year's bumper crop of water. Many of these reservoirs will fill during the summer and store water for irrigation needs in 1970.

April-July flows are forecast to be somewhat below those experienced in 1952 and should cause no major problems of flooding. The situation does pose some problems of spring and early summer high water in the low-lying or restricted areas. Weather conditions from now through June will be a major factor in determining the extent of high water realized.

- NOTICE -

We have recently issued a SUMMARY OF SNOW SURVEY MEASUREMENTS FOR NEVADA. This summary includes all snow survey data from 1910 through 1967.

If you need a copy of the data summary report, please request from:

Donald W. McAndrew
Snow Survey Supervisor
Soil Conservation Service
P. O. Box 4850
Reno, Nevada 89505

NEVADA STREAMFLOW FORECASTS - APRIL 1, 1969

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

EARTH at 1 Forecast Stream	April-July Streamflow, Thousands Acre-Feet				
	Forecast 1969	15 Yr. Average 1953-67	1969 as % of 15-Yr. Av.	Measured Runoff 1968	1967
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca California ²	181	81	223 (191)	44	175
Truckee River at Parad, Calif. ^{1,2}	550	258	213 (196)	155	550
Lake Tahoe Rise in Feet (From April 1, assuming gates closed) ²	2.90	1.39	208 (193)	0.61	2.70
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nev.	365	175	208	120	307
West Carson at Woodfords, Calif.	110	51	215	38	78
Carson River near Carson City, Nev.	440	166	265	90	351
Carson River at Ft. Churchill, Nev.	440	150	293	75	326
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow)	8/23	7/23	- -	7/3	8/31
<u>WALKER RIVER</u>					
East Walker near Bridgeport, Calif. ¹ (April-August streamflow)	175	60	291	23	140
West Walker below East Fork near Coleville, California	290	143	202	96	237
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah ³ (April-June streamflow)	130	38	342	51	51

(Continued)

	Actual	Forecast	Actual	Forecast
1959-60	1960-61	1961-62	1962-63	1963-64
1959-60	1960-61	1961-62	1962-63	1963-64

WATER RIVER

1. Salt Lake River near Provo, Nev.	35	25	140	27	31
2. Salt Lake River near Reno, Nev.	115	50	198	41	75
3. Salt Lake River near Hot Springs, Nev.	52	26	185	13	27
4. Salt Lake River at Devils Gate, Nev.	52	26	200	4	27
5. Salt Lake River at Calisaya, Nev.	310	154	201	81	101
6. Salt Lake River at Oakes, Nev.	245	110	223	54	154
7. Salt Lake River near Paradise, Nev.	35	14	250	5	22

SALT RIVER

1. Salt Lake River near Ogden, Nev. ¹	125	60	200	14	56
2. Salt Lake River near Gold Creek, Nev. ¹	35	16	219	2	12
3. Salt Lake River near Star Line, Nev. ¹	105	67	198	--	67
4. Salt Lake River near Star Line, Nev. ¹					

SALT LAKE RIVER

1. Salt Lake River near Ft. McDowell, Calif. ⁵	18.0	11.5	156	4.0	15.0
2. Salt Lake River near Cedarville, Calif. ⁵	6.3	4.7	134	1.9	5.3
3. Salt Lake River near Cedarville, Calif. ⁵	5.0	3.3	152	1.1	2.3
4. Salt Lake River near Eagleville, Calif. ⁵	6.5	4.3	151	2.4	3.6

1. Corrected for reservoir storage above station.
 2. Forecast issued by Truckee Basin Water Committee.
 3. Forecast issued by SWS, Salt Lake City, Utah.
 4. Forecast issued by SWS, Boise, Idaho.
 5. Forecast coordinated between SWS and California Department of Water Resources.
- * Numbers in parentheses are forecast as percent of long-term average.

STATUS OF NEVADA RESERVOIR STORAGE

APRIL 1, 1969

BASIN and Stream	RESERVOIR	USABLE CAPACITY (1000 AF)	- 1000 ACRE- FEET			
			1969	1963	1967	April 1 15-Yr. Av. 1953-67
Owyhee	Wild Horse	*	4	7	4	18
Lower Humboldt	Rye Patch	179	57	72	81	84
Colorado	Mohave	1,810	1,652	1,669	1,677	1,695
Colorado	Mead	27,217	15,386	14,640	15,438	16,070
Tahoe	Tahoe	732	539	632	528	431
Truckee	Boca	41	2	10	5	11
Truckee	Prosser**	30	3	10	9	Storage began 1/30/63
Carson	Iahontan	286	177	258	250	217
West Walker	Topaz	59	14	59	43	44
East Walker	Bridgeport	42	3	42	32	34

* Reservoir under construction; usable capacity held to 17,000 acre-feet.

** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE

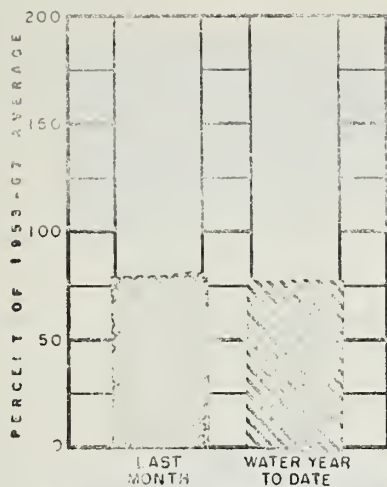
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Iahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

MONTH	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	AVERAGE 1953-67
October 1	702	497	1135	559	965	649	656
January 1	748	789	1114	593	904	694	660
February 1	776	922	1051	736	939	881	715
March 1	774	949	1035	792	1025	922	768
April 1	774	1002	1054	943	1030	796	839
May 1	818	1103	1069	978	1074		890

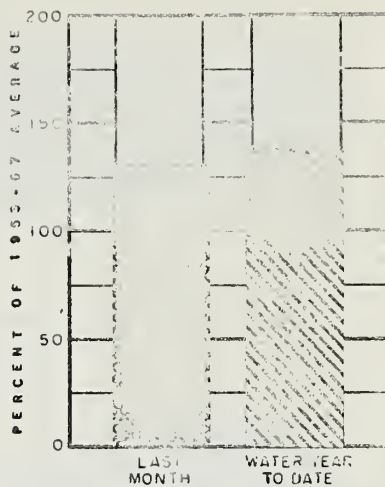
TOTAL USABLE CAPACITY 1,356

SELECTED CURRENT STREAMFLOW STATIONS

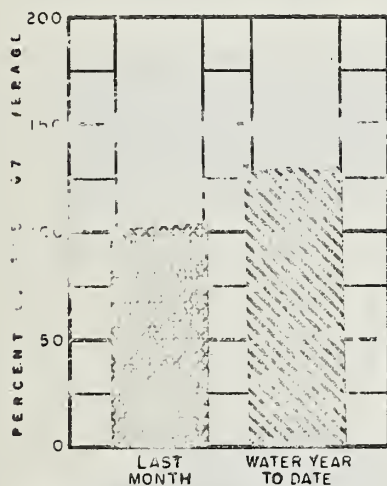
APRIL 1, 1969



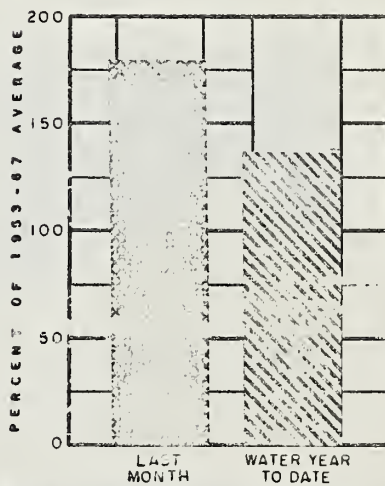
Owyhee near Owyhee, Nev.



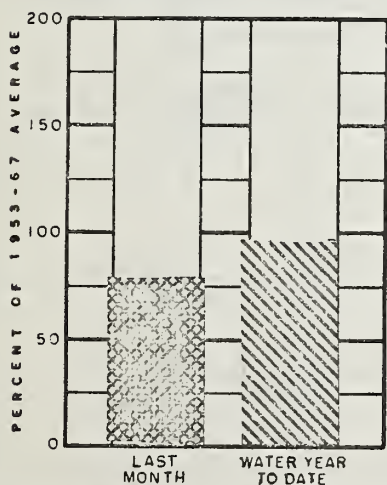
Humboldt at Palisade, Nev.



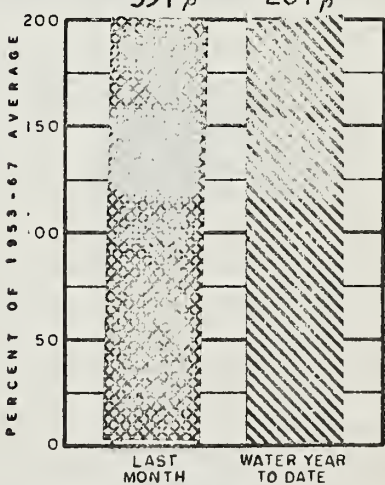
Truckee at Farad, Calif.



Carson near Carson City, Nev.



W. Walker near Coleville, Calif.

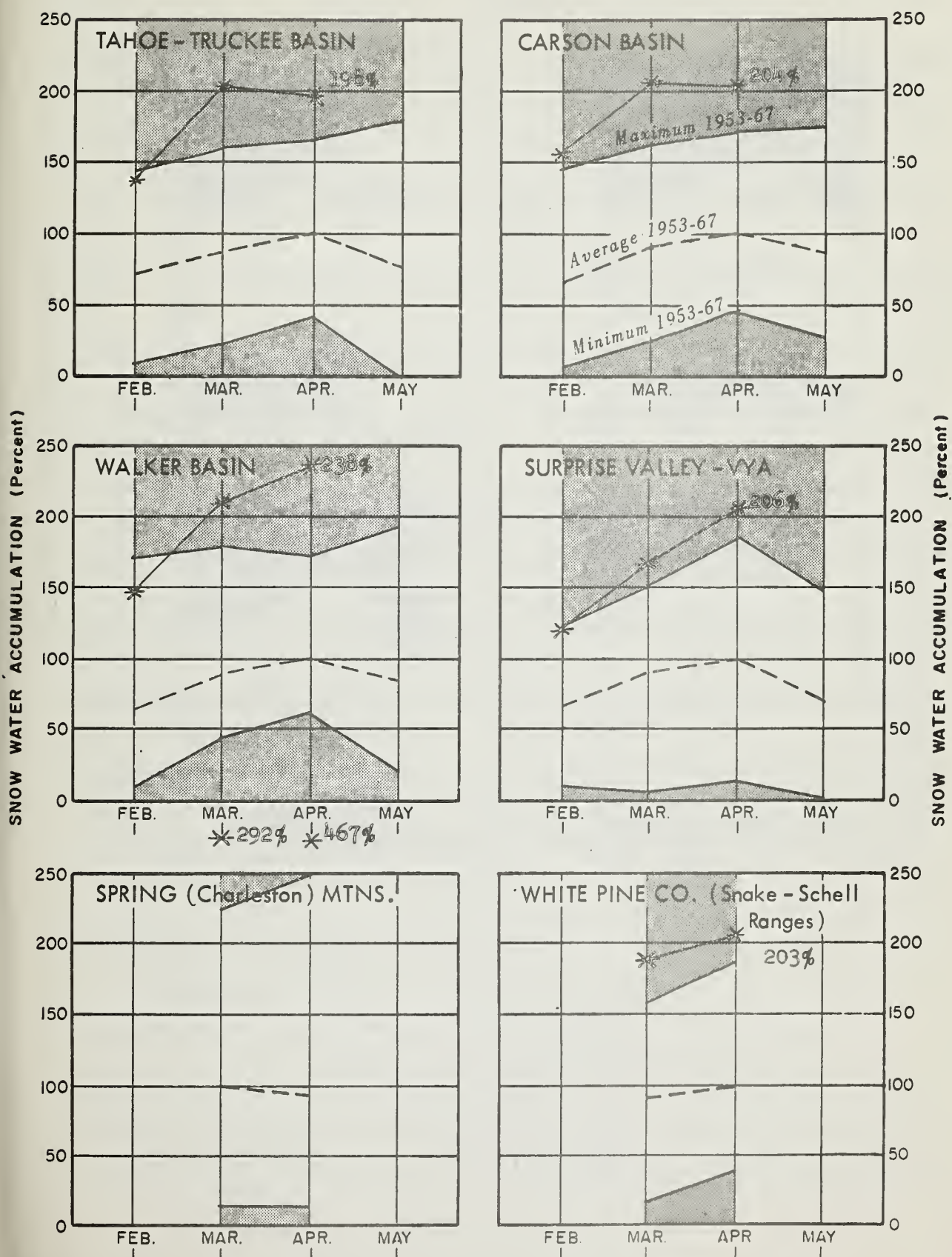


Virgin at Littlefield, Ariz.

SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969

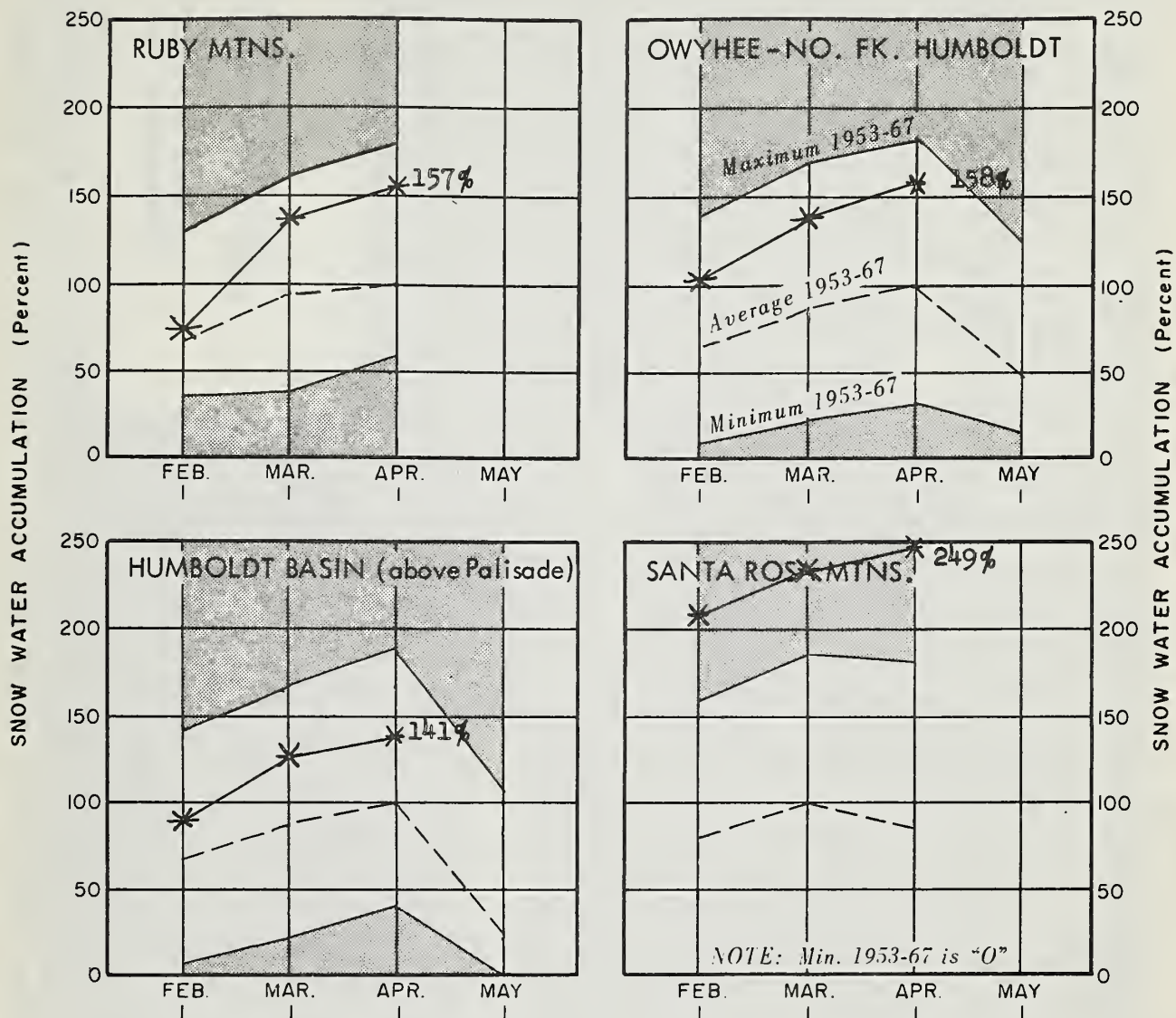


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SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969



NOTE:

— 1969

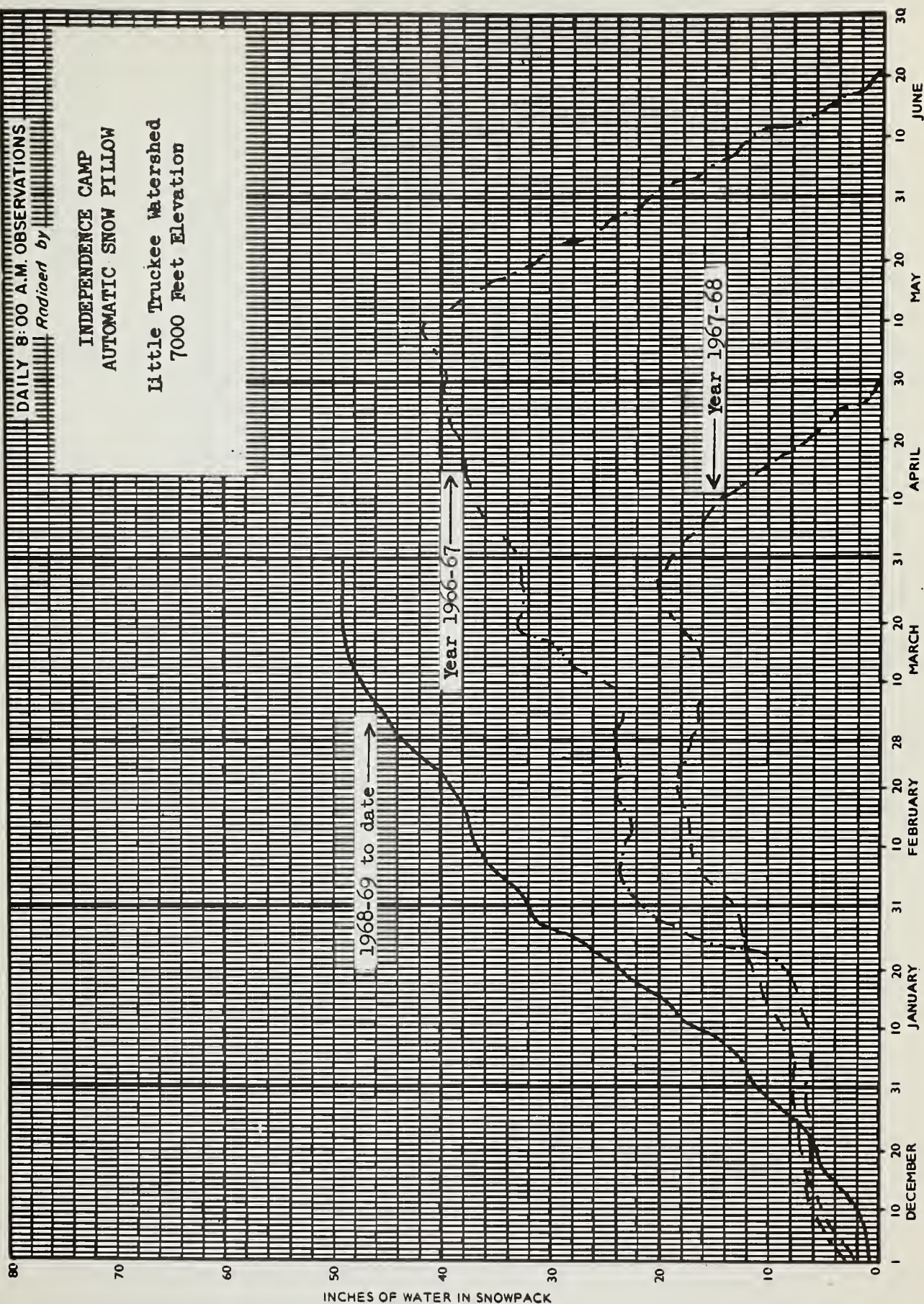
----- 1953-67

U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION

DAILY 8:00 A.M. OBSERVATIONS
Radioed by

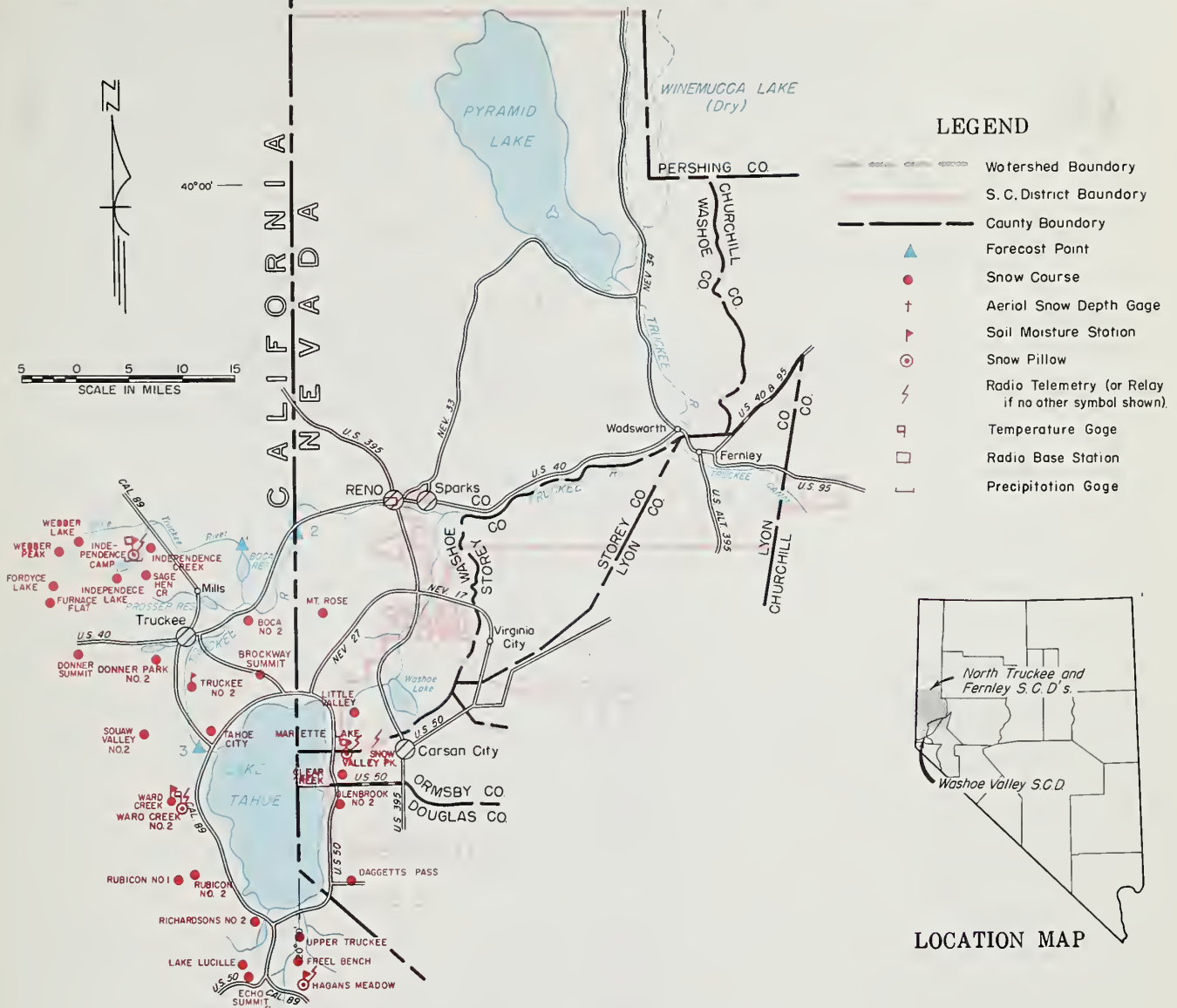
INDEPENDENCE CAMP
AUTOMATIC SNOW PILLOW

Little Truckee Watershed
7000 Feet Elevation



WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'s.
WASHOE, STOREY & LYON COUNTIES, NEVADA



APRIL 1, 1969

MEASURED APRIL 1 SNOWPACK IS A NEAR-RECORD 204 PERCENT OF NORMAL WHICH WILL YIELD EXCELLENT SUMMER RUNOFF FOR THE TAHOE-TRUCKEE BASIN.

THE TRUCKEE RIVER AT FARAD IS FORECAST TO FLOW 550,000 ACRE- FEET IN THE APRIL-THROUGH-JULY PERIOD. THIS IS 213 PERCENT OF AVERAGE.

LAKE TAHOE, BOCA AND PROSSER RESERVOIRS HAVE BEEN LOWERED IN ANTICIPATION OF HIGH RUNOFF. BARRING ANY UNFORESEEN STORMS, THE PEAK RUNOFF SHOULD BE HANDLED WITH LITTLE OR NO FLOODING IN THE TRUCKEE BASIN IN SPITE OF THE HIGH TOTAL RUNOFF WHICH WILL CONTINUE INTO AUGUST.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	539	632	431
Boca	41	2	10	11
Prosser ^{b/}	29	3	10	--

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Little Truckee River above Boca	181	44	81
2. Truckee River at Farad, Calif.	550	155	258
3. Lake Tahoe rise in feet (from April 1, assuming gates closed).	2.90	0.61	1.39

Note: Above forecasts prepared by Truckee Basin Water Committee

SNOW

April 1, 1969

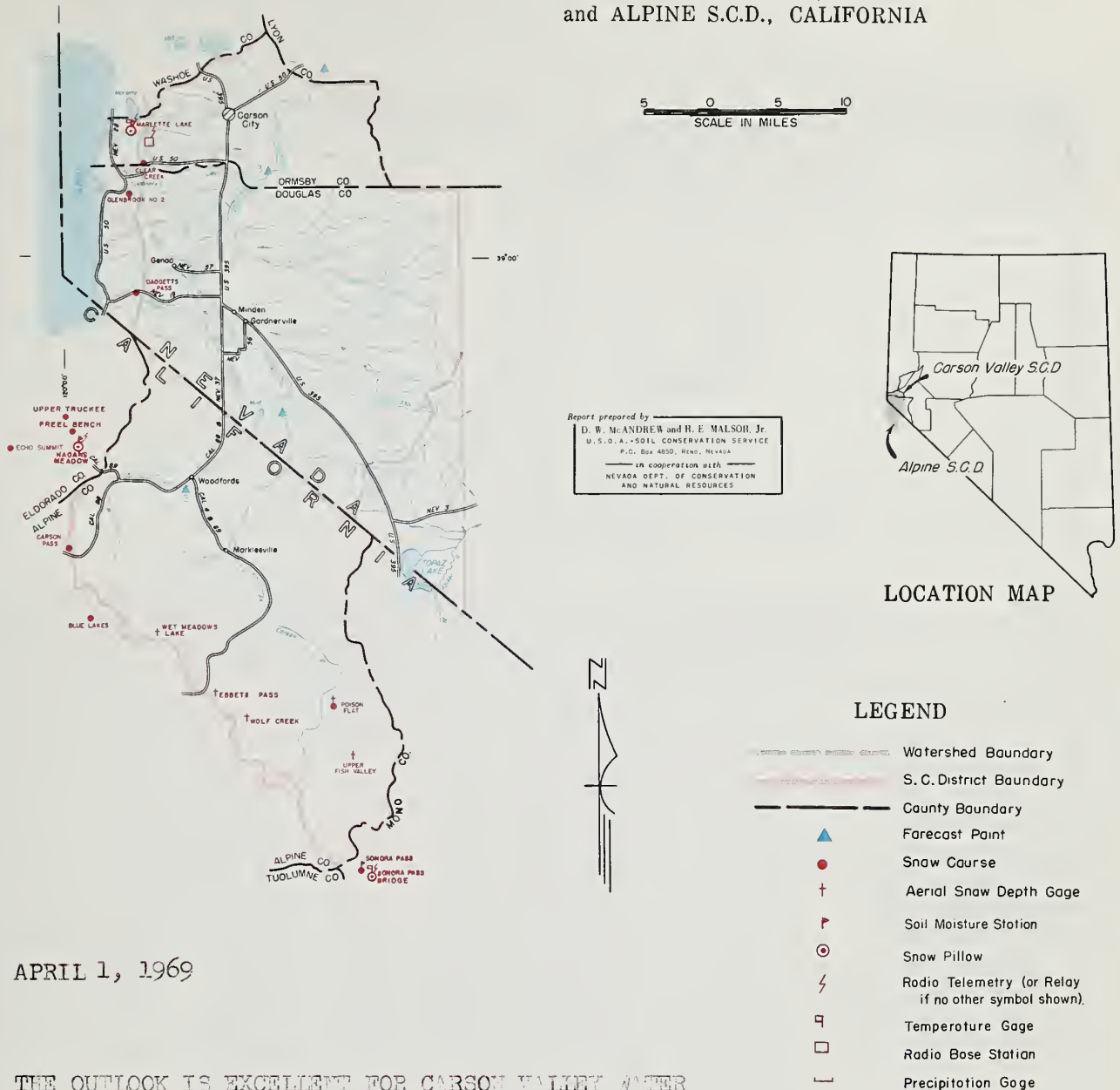
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	3/26	72	27.5	7.0	8.7
Echo Summit	7500	3/26	152	65.6	22.5	33.8
Freel Bench	7300	3/27	71	31.2	6.9	9.6
Glenbrook #2	6900	3/23	75	26.4	9.0	11.1
Hagans Meadow	8000	3/27	93	39.8	12.6	16.4
Lake Lucille	8200	3/24	232	95.3	45.3	56.3
Little Valley	6300	3/26	51	24.2	3.7	6.0*
Marlette Lake	8000	3/26	108	45.4	19.7	20.1
Richardsons #2	6500	3/23	84	30.6	15.6	14.9
Rubicon #1	8100	3/25	209	82.8	41.8	47.2
Rubicon #2	7500	3/25	138	58.8	26.6	28.3
Tahoe City	6250	3/30	55	27.0	7.0	8.1
Upper Truckee	6400	3/27	56	23.0	5.9	6.8
Ward Creek	7000	3/26	169	82.4	32.4	42.3
TRUCKEE RIVER						
Boca #2	5900	3/27	38	15.5	0.4	3.7
Brockway Summit	7100	3/24	104	48.9	13.2	13.4*
Donner Park #2	6000	3/26	86	34.6	17.2	17.5*
Donner Summit	6900	3/26	150	69.8	30.9	35.1
Fordyce Lake	6500	3/25	151	71.7	34.7a	40.0
Furnace Flat	6700	3/25	166	84.5	43.0a	46.8*
Independence Camp	7000	3/28	101	46.7	20.2	22.0
Independence Creek	6500	3/28	68	29.1	10.9	12.8
Independence Lake	8450	3/28	152	66.5	35.8	40.5
Mt. Rose	9000	3/24	177	81.7	23.5	32.4
Sage Hen Creek	6500	3/28	84	36.6	17.1	16.8
Squaw Valley #2	7500	3/30	184	84.0	40.4	47.6*
Truckee #2	6400	3/30	71	30.4	14.6	14.2
Webber Lake	7000	3/27	130	54.4	25.4	31.1
Webber Peak	8000	3/27	173	81.1	37.6	42.5

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Hagans Meadow	8000	36	3.65	Est.	3.6	3.3	3.3
Independence Camp	7000	34	6.10	3/28	5.4	5.3	5.6
Marlette Lake	8000	50	3.70	3/26	3.6	2.7	2.9
Ward Creek	7000	49	5.80	3/26	5.8	5.8	6.0

WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



APRIL 1, 1969

THE OUTLOOK IS EXCELLENT FOR CARSON VALLEY WATER USERS THIS YEAR. FLOW IN THE EAST CARSON SHOULD REMAIN ABOVE 200 CUBIC FEET PER SECOND UNTIL LATE AUGUST. THIS IS A MONTH LATER THAN AVERAGE FOR THIS OCCURRENCE.

SNOW COURSES IN THE BASIN CONTINUED TO SET RECORDS. APRIL 1 AVERAGE FOR THE BASIN WAS 200 PERCENT OF NORMAL. SNOW PRESSURE PILLOW MEASUREMENTS INDICATE THAT THE MAXIMUM SNOW DEPTHS FOR THIS YEAR HAVE PROBABLY OCCURRED AND MELT HAS STARTED.

WITH NORMAL PRECIPITATION THROUGH JUNE, THE EAST CARSON NEAR GARDNERVILLE WILL FLOW 210 PERCENT OF AVERAGE, AND MOST OTHER STREAMS IN THE AREA WILL FLOW ABOUT 260 PERCENT OF NORMAL.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Iahontan	286	177	258	217
NOTE: All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.				

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson near Gardnerville	365	120	175
2. West Carson at Woodfords	110	38	51
3. Carson River near Carson City	440	90	166
4. Carson River at Fort Churchill	440	75	150
5. East Carson near Gardnerville	8/23	7/3	7/23
Date 200 c.f.s. flow			

SNOW

April 1, 1969

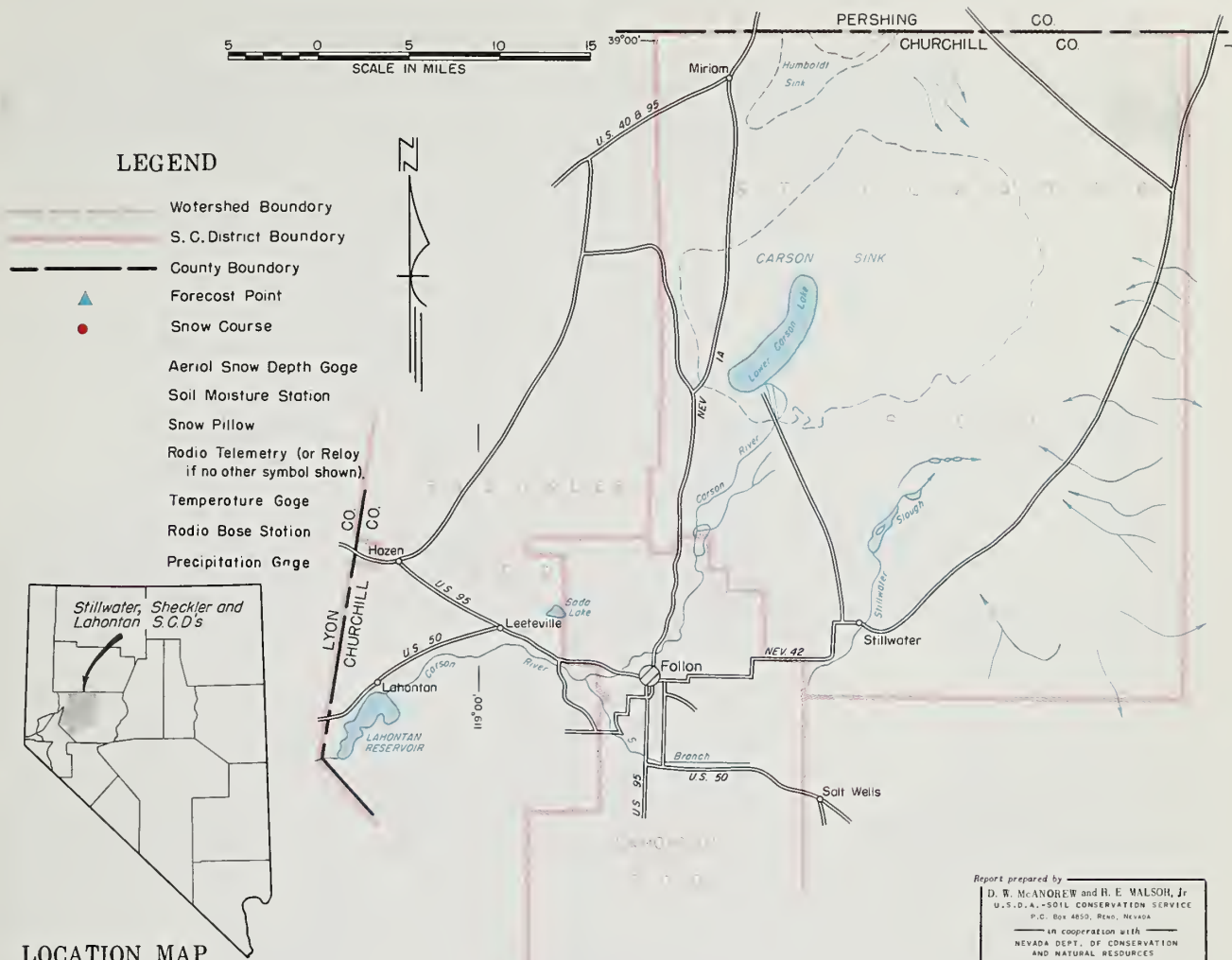
SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Blue Lakes	8000	3/26	161	66.3	25.1	33.0
Carson Pass, Upper	8600	3/25	154	68.6	28.5	33.7
Clear Creek	7300	3/26	77	30.8	8.1	11.6
Daggetts Pass	7350	3/26	72	27.5	7.0	8.7
Ebbetts Pass	8700	3/28	140	58.8a	27.8a	- -
Echo Summit	7500	3/26	152	65.6	22.5	33.8
Glenbrook #2	6900	3/23	75	26.4	9.0	11.1
Marlette Lake	8000	3/26	108	45.4	19.7	20.1
Poison Flat	7900	3/28	82	35.3a	6.3a	13.9*
Sonora Pass	8800	3/25	120	57.4	17.8	22.6
Upper Fish Valley	8050	3/28	78	33.5a	7.8a	15.4*
Wet Meadows Lake	8100	3/28	132	56.8a	18.5a	- -
Wolf Creek	8000	3/28	132	56.8a	18.9a	- -

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Marlette Lake	8000	50	3.70	3/26	3.6	2.7	2.9
Sonora Pass	8800	48	8.30	3/25	8.3	8.3	8.3

WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'s. & VICINITY
CHURCHILL COUNTY, NEVADA



APRIL 1, 1969

THE FALLON AREA WATER SUPPLY OUTLOOK IS EXCELLENT.

SNOWPACK IN THE MOUNTAINS IS JUST BELOW THE ALL-TIME HIGH SET IN 1952. SNOW COVER ON THE TRUCKEE, LAKE TAHOE, AND THE CARSON DRAINAGES ALL AVERAGE OVER 200 PERCENT OF NORMAL.

MOUNTAIN SOILS ARE SATURATED AND WILL HAVE LITTLE ABILITY TO PERMIT MORE MOISTURE FROM THE MELTING SNOWPACK TO INFILTRATE.

HIGH RELEASES HAVE BEEN MADE FROM LAKE TAHOE AND THE LAHONTAN RESERVOIR IN AN ATTEMPT TO CREATE STORAGE FOR THE COMING HIGH SUMMER FLOWS. THE CARSON RIVER AT FORT CHURCHILL IS FORECAST TO FLOW 440,000 ACRE-FEET. THIS IS 290 PERCENT OF AVERAGE.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	539	632	431
Lahontan	286	177	258	217

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.
a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Truckee River at Fared, Calif. **	550	155	258
2. Lake Tahoe rise** in feet (from April 1, assuming gates closed)	2.90	0.61	1.39
3. Carson River near Fort Churchill	440	75	150

** Forecasts prepared by Truckee Basin Water Committee

SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
TRUCKEE RIVER						
Boca #2	5900	3/27	38	15.5	0.4	3.7
Donner Summit	6900	3/26	150	69.8	30.9	35.1
Fordyce Lake	6500	3/25	171	71.1	34.7	40.0
Furnace Flat	6700	3/29	166	21.4	43.0	46.8*
Independence Camp	7000	3/28	121	16.7	20.2	22.0
Sage Hen Creek	6500	3/28	31	10.6	17.1	16.8
LAKE TAHOE						
Daggetts Pass	7350	3/26	72	27.5	7.0	8.7
Echo Summit	7500	3/26	152	63.6	22.5	33.8
Hagens Meadow	8000	3/27	91	32.8	12.6	16.4
Tahoe City	6250	3/30	56	27.0	7.0	8.1
Ward Creek	7000	3/26	159	82.4	32.4	42.3
CARSON RIVER						
Blue Lakes	8000	3/26	161	66.3	25.1	33.0
Carson Pass, Upper	8600	3/25	154	68.6	28.5	33.7
Clear Creek	7300	3/26	77	30.8	8.1	11.6
Poison Flat	7900	3/28	82	35.3a	6.3a	13.9*
Sonora Pass	8800	3/25	187	51.4	17.8	22.6

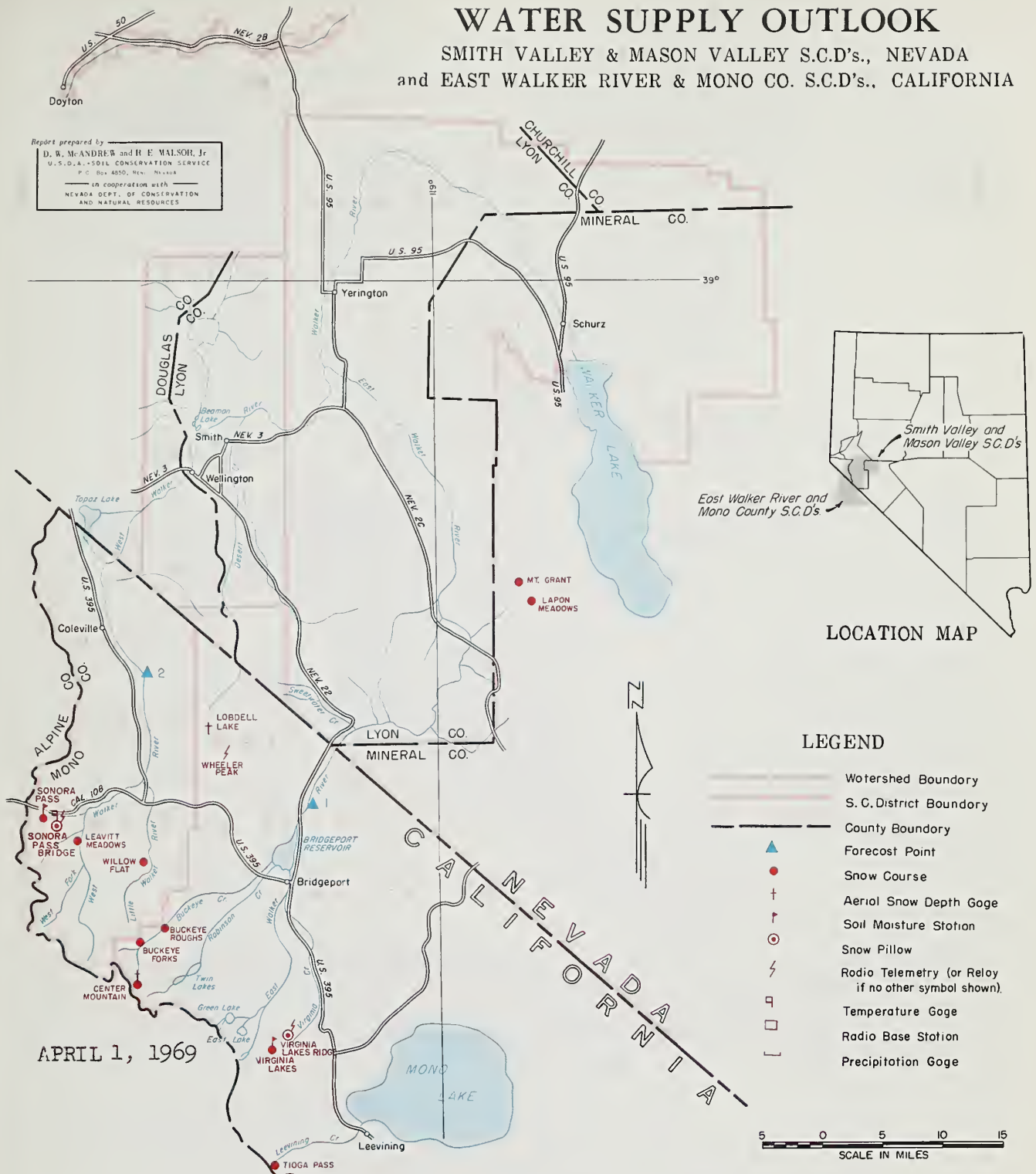
SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Hagens Meadow	8000	36	3.65	Est	3.6	3.3	3.3
Independence Camp	7000	34	6.10	3/28	5.4	5.3	5.6
Marlette Lake	8000	50	3.00	3/26	3.6	2.7	2.9
Sonora Pass	8800	48	8.50	3/26	8.3	8.3	8.3
Ward Creek	7000	49	5.20	3/28	5.8	5.8	6.0

WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D.'s., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D.'s., CALIFORNIA

Report prepared by
D. W. McANDREW and H. E. WALSON, Jr.
U.S.D.A., SOIL CONSERVATION SERVICE
P. O. Box 4850, Reno, Nevada
In cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES



RECORD SNOWPACK IN THE WALKER RIVER DRAINAGE, 240 PERCENT OF AVERAGE, INDICATES ONE OF THE BEST IRRIGATION SEASONS IN YEARS. CENTER MOUNTAIN SNOW COURSE HAD 175 INCHES OF SNOW CONTAINING 75.7 INCHES OF WATER. THIS IS 120 PERCENT OF THE MAXIMUM AMOUNT EVER MEASURED SINCE SNOW SURVEYS WERE STARTED 50 YEARS AGO. WATERSHED SOILS ARE SATURATED AND SHOULD HELP TO MAINTAIN SUBSTANTIAL RUNOFF THROUGH AUGUST.

THE EAST WALKER IS FORECAST TO FLOW 290 PERCENT OF AVERAGE, AND THE WEST WALKER IN EXCESS OF 200 PERCENT.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	14	59	44
Bridgeport	42	3	42	34

NOTE:
All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Walker near Bridgeport, California**	175	23	60
2. West Walker below East Fork near Coleville, Calif.	290	96	143

** April-August runoff corrected for change in Bridgeport Reservoir.

SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckeye Forks	8500	3/27	128	54.4	15.6	19.0
Buckeye Roughs	7900	3/21	118	47.7	12.6	17.8
Center Mountain	9400	3/27	175	75.7	27.3	34.6
Leavitt Meadows	7200	3/25	69	28.0	2.2	6.4*
Lobdell Lake	9200	3/28	96	40.3a	8.2a	- -
Sonora Pass	8800	3/25	120	51.4	17.8	22.6
Tioga Pass	9800	3/27	135	56.6	16.4	23.3
Virginia Lakes	9500	3/24	100	40.1	10.6	17.1
Willow Flat	8250	3/24	73	29.0	6.0	9.5

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Sonora Pass	8800	48	8.30	2/25	8.3	8.3	8.3

WATER SUPPLY OUTLOOK

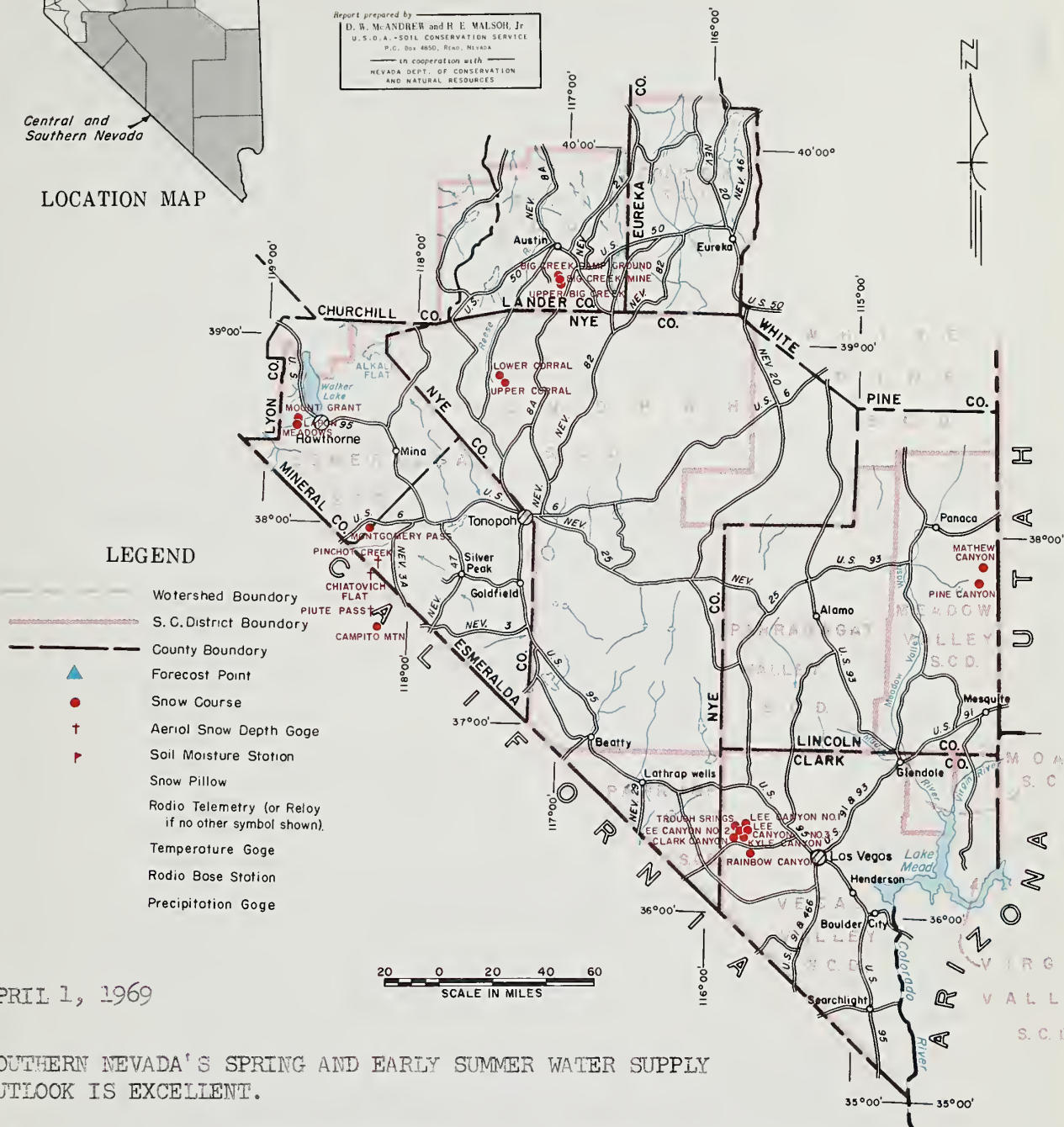
CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER, LINCOLN, MINERAL and NYE COUNTIES, NEVADA

Report prepared by
D. W. McANDREW and H. E. MALSON, Jr.
U.S.D.A. - SOIL CONSERVATION SERVICE
P.O. Box 4850, Reno, Nevada

in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

Central and
Southern Nevada

LOCATION MAP



APRIL 1, 1969

SOUTHERN NEVADA'S SPRING AND EARLY SUMMER WATER SUPPLY OUTLOOK IS EXCELLENT.

THE APRIL 1, 1969, SNOWPACK IN THE SPRING MOUNTAINS, NORTHWEST OF LAS VEGAS, IS STILL A MUCH-ABOVE-AVERAGE 467 PERCENT. THIS YEAR SNOW DEPTHS IN THE MT. CHARLESTON AREA SET A NEW RECORD. SNOWPACK IN THE WHITE MOUNTAINS IS MORE THAN 300 PERCENT OF AVERAGE. EXCELLENT SPRING AND EARLY SUMMER RUNOFF CAN BE EXPECTED IN THIS AREA. GROUND WATER RECHARGE IN THE MT. CHARLESTON AND FISH LAKE VALLEY AREAS WILL BE EXCELLENT THIS YEAR.

PINE AND MATHEW CANYON SNOW COURSES HAVE MORE SNOW REMAINING THAN AT ANY TIME SINCE MEASUREMENTS BEGAN 20 YEARS AGO. THE REMAINING SNOWPACK IN THE AUSTIN AREA IS 246 PERCENT OF NORMAL AND INSURES EXCELLENT STREAMFLOW.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1,810	1,652	1,669	1,695
Mead	272	15,386	14,640	16,070

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Virgin River at Virgin, Utah	130	51	38
April-June forecast by SCS Salt Lake City, Utah			

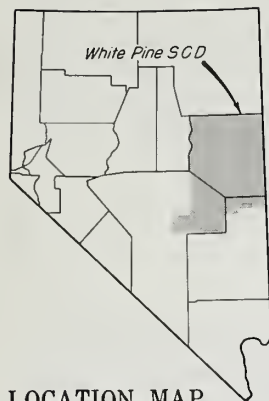
SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
AUSTIN SCD						
Big Creek Camp Ground	6000	3/20	12	4.7	0.3	0.3
Big Creek Mine	7600	3/20	24	6.0	1.6	2.8*
Upper Big Creek	8000	3/20	31	10.0	4.9	6.1*
TONOPAH SCD						
Lower Corral	7500	3/20	20	2.0	1.3	0.5*
Upper Corral	8000	3/20	31	10.0	0.0	2.1*
ESMERALDA SCD						
Campito Mountain	10000	3/20	50	15.0	0.0	5.0*
Chiatovich Flat	10500	3/20	40	16.3a	0.0a	--
Montgomery Pass	7100	3/20	17	9.3	0.0	0.4*
Pinchot Creek	9300	3/20	16	5.4a	0.0a	4.7*
Plute Pass	11700	3/20	46	17.0a	0.0a	6.9*
VEGAS VALLEY SCD						
Clark Canyon	9000	3/20	70	27.6	6.9	5.6
Kyle Canyon	8200	3/20	50	36.5	7.8	6.2
Lee Canyon #2	9000	3/20	10	23.6	6.0	6.8
Lee Canyon #3	8400	3/20	10	31.5	7.3	5.1*
Rainbow Canyon #2	8000	3/20	10	48.7	16.0	12.6
Trough Springs	8500	3/20	10	3.3	3.3	3.8
MEADOW VALLEY SCD						
Mathew Canyon	8000	3/20	10	7.1	0.0	0.2
Pine Canyon	8200	3/20	10	6.7	0.0	0.2

WATER SUPPLY OUTLOOK

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



LOCATION MAP

LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- Precipitation Gage

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APRIL 1, 1969

APRIL 1 MOUNTAIN SNOWPACK IN WHITE PINE COUNTY IS 281 PERCENT OF AVERAGE. THIS SEASON'S PACK IS ALMOST IDENTICAL TO THE SNOWFALL RECEIVED DURING THE 1962 WINTER SEASON. THE CURRENT SNOWPACK VARIES FROM 150 PERCENT OF AVERAGE AT THE 9000-FOOT ELEVATION ZONE TO MORE THAN 300 PERCENT NEAR 7500 FEET.

STREAMS SUCH AS BIRD, BERRY, SILVER, BAKER AND STEPTOE WILL HAVE EXCELLENT STREAMFLOW THIS SPRING AND SUMMER.

RANGE CONDITIONS WILL BE EXCELLENT THIS YEAR DUE TO GOOD FALL PRECIPITATION AND THE ABOVE-NORMAL SNOWPACK.

WATER SUPPLY OUTLOOK expressed "Poor,Avg,Good "

STREAM	FLOW PERIOD	
	April May	June Thru Sept.
Baker Creek	Good	Good
Duck Creek	Good	Good
Lehman Creek	Good	Good
Silver Creek	Good	Good
White River	Good	Good

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

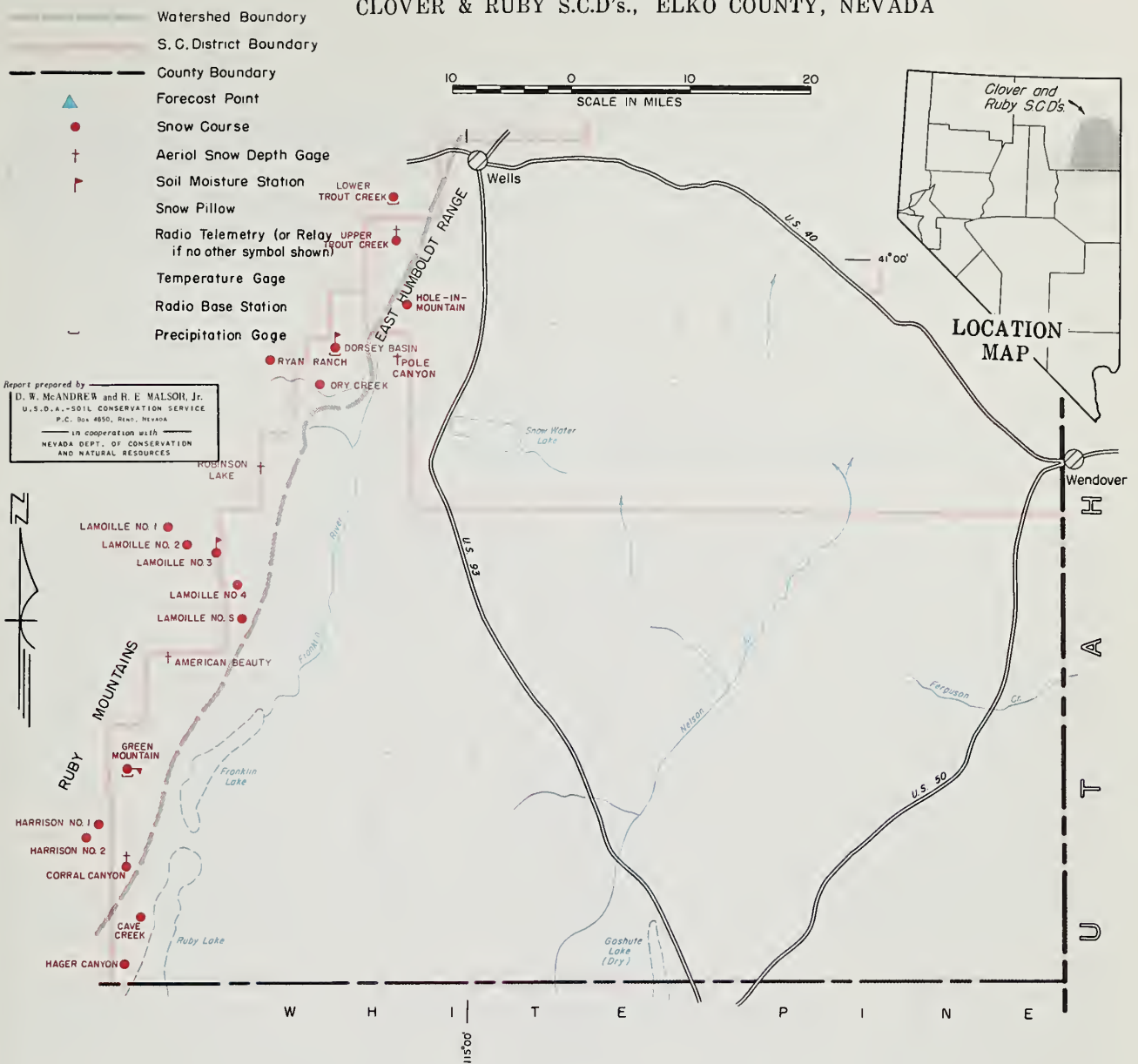
SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Baker #1	7950	3/26	47	16.1	8.1	5.1
Baker #2	8950	3/26	73	25.0	15.6	13.9
Baker #3	9250	3/28	72	25.2a	17.7a	16.0
Berry Creek	9100	3/27	65	23.2	14.1	14.1
Bird Creek	7500	3/27	17	4.7	2.5	2.2
Cave Creek	7500	3/25	60	25.9	4.8	12.6*
Hager Canyon	8000	3/25	64	25.9	12.3	17.9*
Kalamazoo Creek	7400	3/25	32	9.8	6.4	5.4*
Murray Summit	7250	3/24	33	11.0	T	1.4
Robinson Summit	7600	3/24	18	6.1	0.0	0.7
Silver Creek #2	8000	3/28	24	7.4a	5.9a	5.4*
Ward Mountain #2	8900	3/28	48	17.3a	6.5a	13.2*
White River #1	7400	3/28	31	10.9	T	1.0*

LEGEND

WATER SUPPLY OUTLOOK CLOVER & RUBY S.C.D.'s., ELKO COUNTY, NEVADA



APRIL 1, 1969

ABOVE-AVERAGE WATER SUPPLIES ARE IN PROSPECT FOR RANCHERS AND OTHER WATER USERS IN THE CLOVER AND RUBY SOIL CONSERVATION DISTRICTS THIS SPRING AND SUMMER SEASON. THE RUBY WILDLIFE REFUGE AREA WILL HAVE 150 PERCENT OF NORMAL WATER SUPPLY THIS YEAR.

THE SNOWPACK IN THE RUBY MOUNTAIN RANGES FROM 123 PERCENT OF NORMAL IN THE HEADWATERS AREAS TO MORE THAN 300 PERCENT BELOW THE 7000-FOOT ELEVATION ZONE. THIS HEAVY SNOWPACK IN THE LOWER ELEVATIONS WILL START THE STREAMS FLOWING EARLY AND AT A MUCH-ABOVE-AVERAGE RATE.

CONDITIONS ARE FAVORABLE FOR GOOD FORAGE GROWTH THIS SPRING AND EARLY SUMMER.

WATER SUPPLY OUTLOOK expressed "Poor,Avg,Good "

STREAM	FLOW PERIOD	
	April May	June Thru Sept.
Franklin River	Good	Good

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

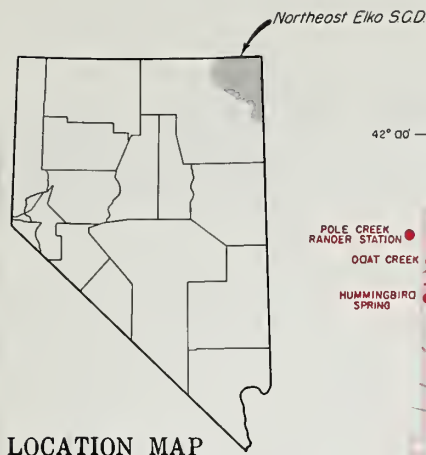
SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
American Beauty	7800	3/29	36	13.7a	3.1a	--
Cave Creek	7500	3/25	60	10.2	4.8	12.6*
Corral Canyon	8500	3/25	60	29.2	13.9	17.7
Dorsey Basin	8100	3/28	42	14.3	7.9	12.2
Dry Creek	6500	3/28	21	7.0	0.0	2.2
Green Mountain	8000	3/25	49	18.3	9.6	12.7
Hager Canyon	8000	3/25	64	25.9	12.3	17.9*
Harrison Pass #1	6600	3/25	22	7.4	0.0	2.2
Harrison Pass #2	7400	3/25	37	10.1	T	4.2
Hole-in-Mountain	7900	3/25	63	20.6	10.6	21.8*
Lamoille #1	7100	3/26	22	7.4	2.1	9.0
Lamoille #2	7300	3/26	39	10.6	T	8.7
Lamoille #3	7700	3/26	46	17.2	7.4	11.8
Lamoille #4	8000	3/26	60	24.3	10.5	17.9
Lamoille #5	8700	3/26	72	20.8	20.8	26.5
Fole Canyon	9140	3/29	31	10.2a	12.6a	--
Ryan Ranch	5800	3/28	0	0.0	0.0	0.4
Trout Creek, Lower	6900	3/27	20	5.0	T	2.4
Trout Creek, Upper	8500	3/27	60	25.3	13.1	20.6
Robinson Lake	9200	3/29	94	41.1a	5.0a	--

WATER SUPPLY OUTLOOK

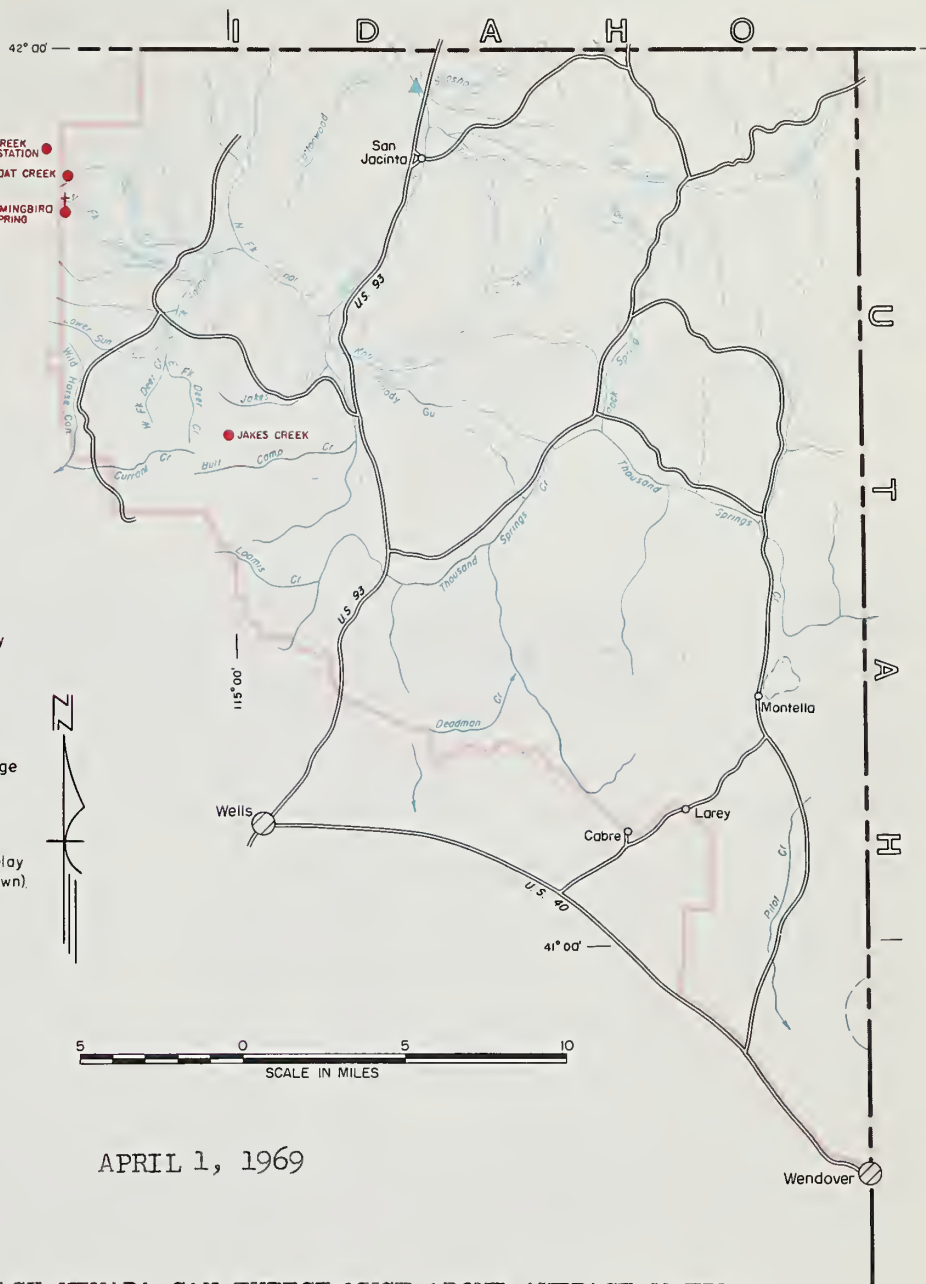
NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Snow Depth Gage
- † Soil Moisture Station
- ⊙ Snow Pillow
- ⚡ Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- ⌋ Precipitation Gage

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APRIL 1, 1969

WATER USERS IN NORTHEAST NEVADA CAN EXPECT MUCH-ABOVE-AVERAGE WATER SUPPLIES THIS COMING SPRING AND SUMMER. SNOW ACCUMULATION ON APRIL 1 WAS 122 PERCENT OF NORMAL WITH BELOW-AVERAGE SNOWFALL IN MARCH. THIS IS DOWN FROM 140 PERCENT THAT WAS MEASURED ON MARCH 1.

MOUNTAIN AND VALLEY SOILS ARE MOIST AND CONDITIONS ARE VERY FAVORABLE FOR GOOD FORAGE GROWTH THIS SPRING AND EARLY SUMMER.

STREAMFLOW FORECASTS ON SALMON FALLS CREEK REMAIN THE SAME AS ISSUED MARCH 1. SALMON FALLS CREEK WILL FLOW ABOUT 160 PERCENT OF AVERAGE.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Salmon Falls Creek near San Jacinto			
March- July	105	158	67

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

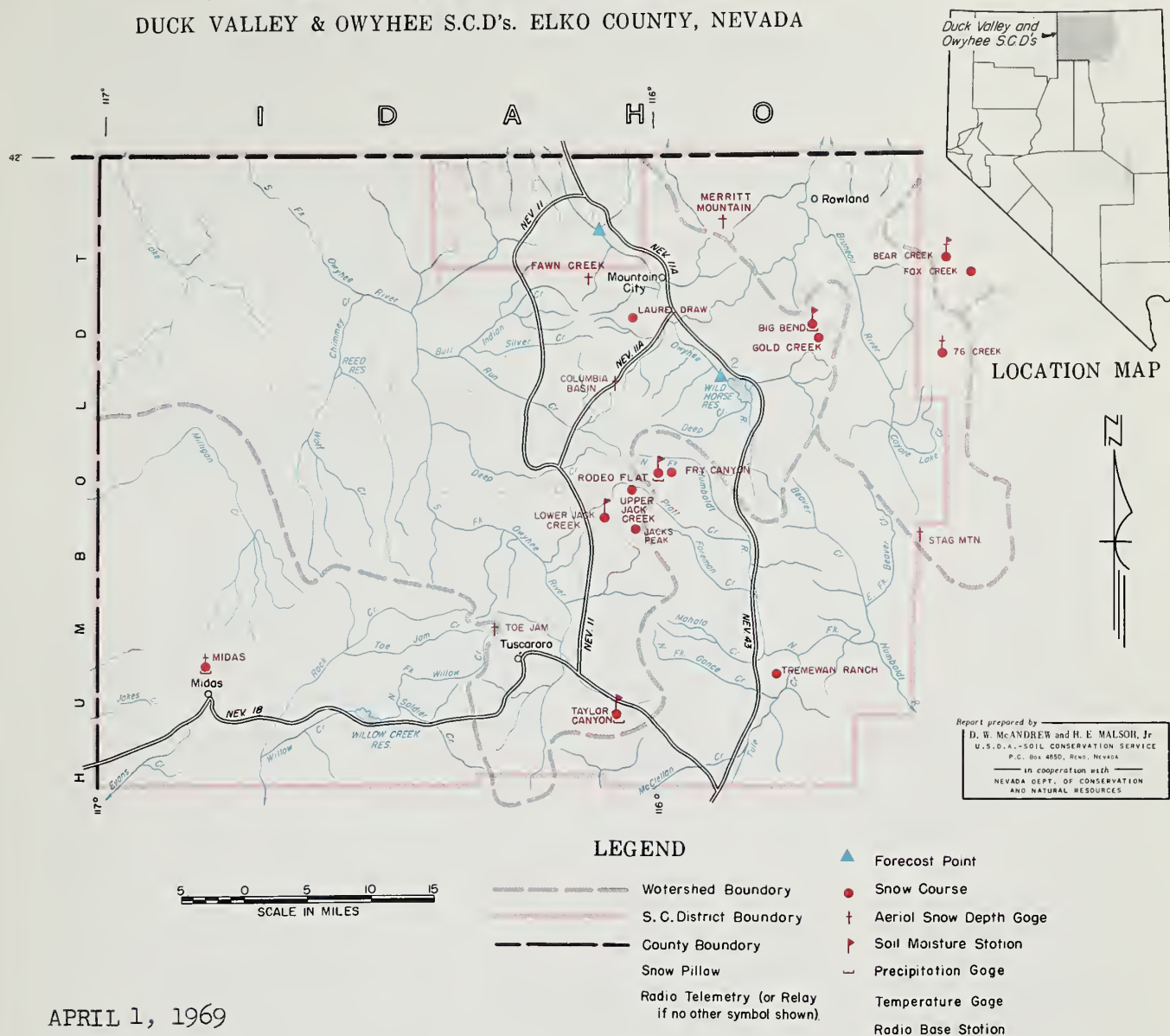
SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Goat Creek	8800	3/26	60	22.6	14.0	18.3*
Hummingbird Springs	8945	3/26	81	30.0	17.3	22.0*
Pole Creek Ranger Station	8300	3/26	61	23 0	15.8	19.7*
Red Point	7940	3/26	29	10.2	7.0a	10.2*

WATER SUPPLY OUTLOOK

DUCK VALLEY & OWYHEE S.C.D's. ELKO COUNTY, NEVADA



APRIL 1, 1969

APRIL 1 SNOWPACK CONTINUES TO BE A RECORD IN THE MOUNTAINS CONTRIBUTING TO THE DUCK VALLEY AND OWYHEE DRAINAGE. THE AVERAGE MEASURED SNOWPACK IS 210 PERCENT OF NORMAL.

BECAUSE OF THE DEEP PACK IN THE HIGHER MOUNTAINS, STREAMFLOW SHOULD REMAIN ABOVE AVERAGE THROUGH JULY. THE OWYHEE RIVER NEAR OWYHEE WILL RUN 125,000 ACRE-FEET. THIS IS 208 PERCENT OF AVERAGE. AT GOLD CREEK THE OWYHEE WILL FLOW 35,000 ACRE-FEET, 218 PERCENT OF AVERAGE. SOILS BELOW THE SNOWPACK ARE SATURATED AND WILL ABSORB LITTLE MOISTURE FROM THE REMAINING SNOWPACK.

CONSTRUCTION ON WILD HORSE RESERVOIR IS NEARING COMPLETION, AND MUCH OF THE ABOVE-NORMAL FLOW THAT IS PREDICTED ON THE OWYHEE WILL BE STORED THIS YEAR.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	**	4	7	**
** Reservoir under construction; usable capacity held to 17,000 acre-feet.				
NOTE: All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.				

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Owyhee River near Owyhee**	125	14	60
2. Owyhee River near Gold Creek**	35	2	16
** Corrected for change in storage in Wild Horse Reservoir.			

SNOW

April 1, 1969

SNOW		April 1, 1969		CURRENT INFORMATION			PAST RECORD	
SNOW COURSE		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)			
NAME	ELEVATION				LAST YEAR	AVERAGE		
Bear Creek	7800	3/26	74	27.3	16.6	19.1		
Big Bend	6700	3/24	36	10.4	T	8.1		
Columiba Basin	6650	3/29	48	19.2a	0.0	--		
Fawn Creek	7000	3/29	24	8.4a	0.0a	--		
Fox Creek	6800	3/26	43	16.1	5.4	8.9*		
Fry Canyon	6700	3/24	36	11.9	0.0	6.3		
Gold Creek	6600	3/24	25	8.0	0.0	4.7		
Jack Creek, Lower	6800	3/26	18	5.3	T	2.8		
Jack Creek, Upper	7250	3/26	37	12.4	4.3	9.8		
Jacks Peak	8420	No	Survey		19.4	25.7*		
Laurel Draw	6700	No	Survey		0.0	7.2*		
Merritt Mountain	7000	3/29	36	14.8a	0.0a	--		
Midas	7200	3/24	44	17.8a	T	1.6*		
Rodeo Flat	6800	3/24	29	8.9	0.0	5.8		
76 Creek	7100	3/26	47	18.2	7.8	10.9*		
Stag Mountain	7800	2/29	34	13.9a	0.0a	--		
Taylor Canyon	6200	3/26	33	10.4	0.0	2.9		
Toe Jam	7700	3/29	48	19.2a	2.0a	--		
Tremewan Ranch	5700	3/24	15	3.7	0.0	0.0		

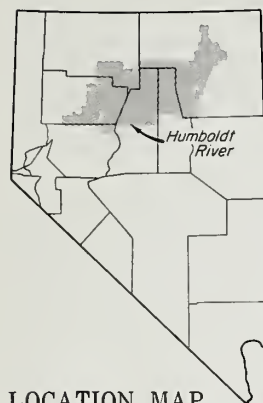
SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
Bear Creek	7800	72	16.9	3/26	15.2	10.8	10.1
Big Bend	6700	48	16.7	1/28	16.2	15.8	15.6
Jack Creek, Lower	6800	48	8.7		NA	8.3	8.4
Rodeo Flat	6800	42	11.0	1/29	11.0	10.9	10.6
Taylor Canyon	6200	48	15.1	1/28	13.0	14.7	14.7
NA Not available							

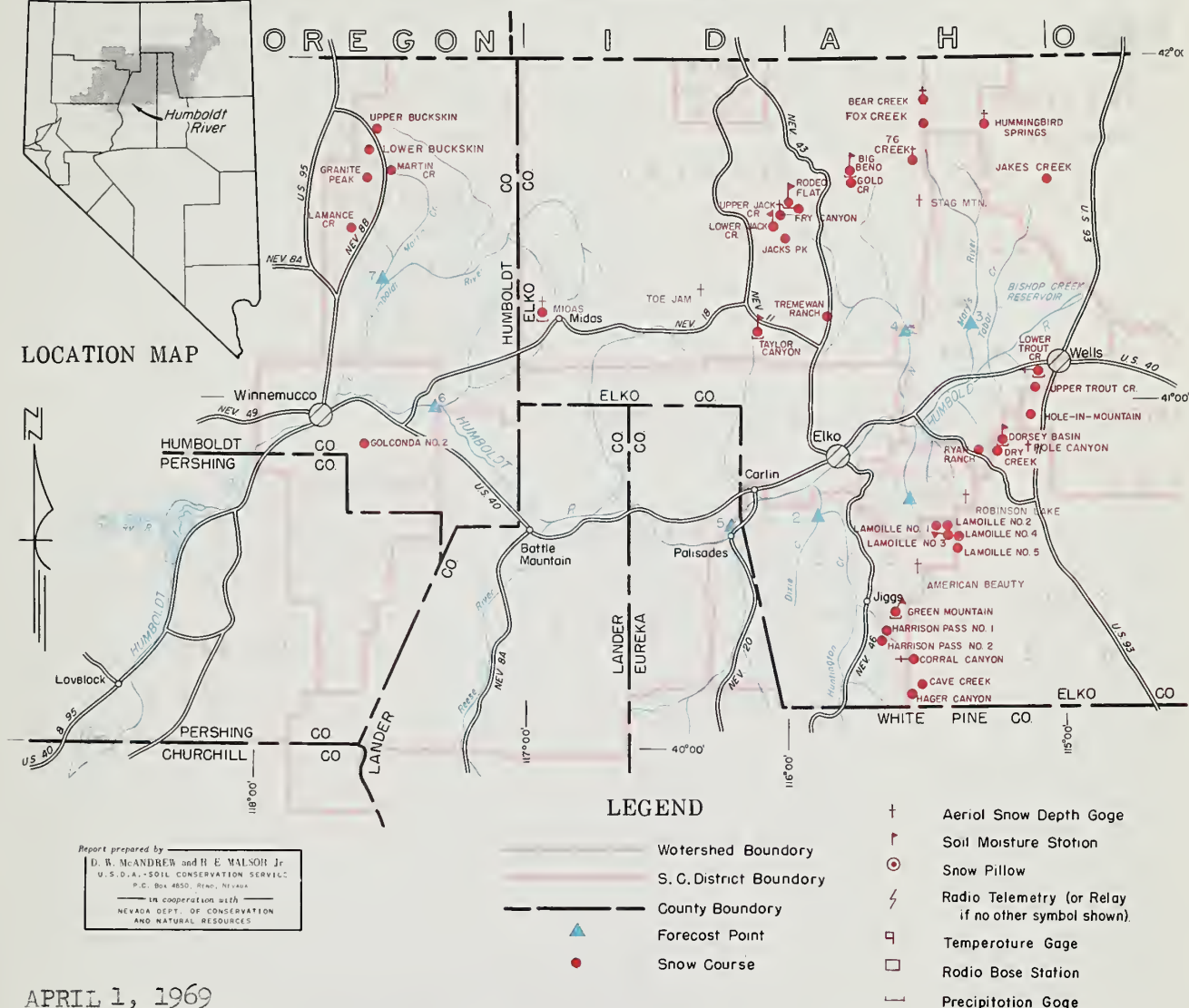
WATER SUPPLY OUTLOOK

HUMBOLDT RIVER
CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA

25 0 25 50
SCALE IN MILES



LOCATION MAP



APRIL 1, 1969

IRRIGATION SEASON WATER SUPPLIES FOR 1969 ALONG THE HUMBOLDT RIVER AND ITS TRIBUTARIES ARE FORECAST TO BE THE BEST SINCE 1958. THE WATER CONTENT OF THE SNOWPACK IS CURRENTLY 166 PERCENT OF AVERAGE FOR THE ENTIRE BASIN. THIS YEAR'S SNOWPACK REPRESENTS 307 PERCENT OF THE APRIL SNOW COVER OF LAST YEAR.

IT IS INTERESTING TO NOTE THAT THE SNOWPACK IS EXTREMELY HEAVY AT THE 5500- TO 7500-FOOT ELEVATION ZONE. THIS LOW-ELEVATION SNOWPACK WILL CAUSE THE SMALL STREAMS IN THE DRAINAGE TO FLOW EARLIER AND WITH MUCH GREATER VOLUMES THAN NORMAL.

STREAMFLOW FOR THE APRIL-JULY PERIOD IS FORECAST TO BE ABOUT 200 PERCENT OF NORMAL OVER THE TOTAL BASIN. SPECIFICALLY, THE HUMBOLDT AT PALISADE IS FORECAST AT 310,000 ACRE-FEET, OR 201 PERCENT. DOWNSTREAM, AT COMUS, THE FLOW WILL BE ABOUT 223 PERCENT OF NORMAL. SMALL STREAMS IN THE WINNEMUCCA AREA WILL FLOW NEAR 250 PERCENT, WHILE THOSE IN THE HEAD-WATERS AREA ARE FORECAST SOMEWHAT LESS AT 140 TO 190 PERCENT.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	57	72	

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Rye Patch	47	27	25
2. Rye Patch	45	41	58
3. Rye Patch	52	13	28
4. Rye Patch	41	4	26
5. Rye Patch	40	81	154
6. Rye Patch	45	54	110
7. Rye Patch	45	5	14

SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Big Bend	6700	3/24	46	11.9	0.0a	8.1
Fawn Creek	7000	3/24		0.0	0.0	- -
Fry Canyon	6700	3/24		0.0	0.0	6.3
Gold Creek	6600			0.0	0.0	4.7
Rodeo Flat	6800			0.0	0.0	5.8
76 Creek	7100			0.0	7.8	10.9*
Stag Mountain	7800			0.0a	0.0a	---
Taylor Canyon	6200			0.0	0.0	2.9
Tremewan Ranch	5700			0.0	0.0	0.0
American Beauty	7800			0.0	3.1a	- -
Cave Creek	7500			0.0	2.8	12.6*
Corral Canyon	8500			0.0	13.9	17.7
Dorsey Basin	8100			0.0	7.9	12.2
Dry Creek	7000			0.0	0.0	2.2
Green Mountain	7000			0.0	2.6	12.7
Hager Canyon	6000			0.0	12.3	17.9*
Harrison Pass #1	6600			0.0	0.0	2.2
Harrison Pass #2	7400			0.0	T	4.2
Hole-in-Mountain	7900			0.0	10.6	21.8*
Iamaille #1	7100			0.0	2.1	9.0
Iamaille #2	7300			0.0	T	8.7
Iamaille #3	7700			0.0	7.4	11.8
Iamaille #4	8000			0.0	10.5	17.9
Iamaille #5	8700			0.0	20.8	26.5
Fole Canyon	9240			0.0	12.6a	- -
Robinson Lake	9200			0.0	5.0a	- -
Ryan Ranch	5800			0.0	0.0	0.4
Tent Mountain #1	8500			0.0	0.0a	- -
Trout Creek, lower	6900			0.0	T	2.4
Trout Creek, Upper	8500			0.0	13.1	20.6
Golconda #2	6000			0.0	0.0	2.7*
Midas	7200			0.0	T	1.6*

WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D.'s.

HUMBOLDT COUNTY, NEVADA

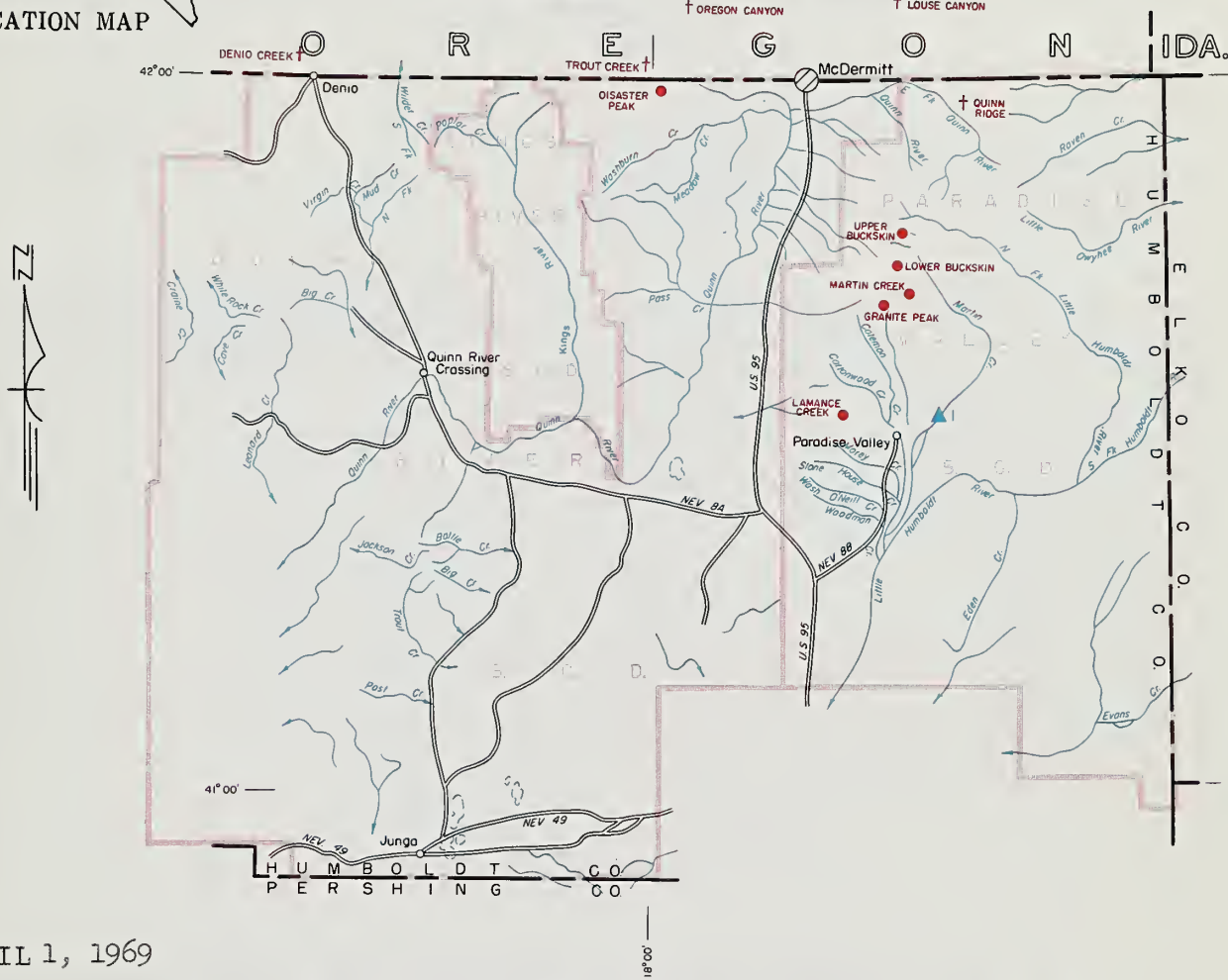
10 0 10 20
SCALE IN MILES

LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
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- Aerial Snow Depth Gage
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P.O. Box 4650, Reno, Nevada
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

LOCATION MAP



APRIL 1, 1969

THE PROSPECTIVE SPRING AND SUMMER WATER SUPPLY FOR PARADISE VALLEY AND KINGS AND QUINN RIVER AREAS IS EXCELLENT. THE SNOWPACK IN THE SANTA ROSA MOUNTAINS IS CURRENTLY 234 PERCENT OF AVERAGE. MANY SNOW COURSES ARE AT, OR NEAR, A RECORD FOR THE APRIL 1 DATE. THE LOW-ELEVATION SNOWPACK IS ESPECIALLY HEAVY THIS SEASON.

SMALLER STREAMS IN THE KINGS RIVER AND QUINN RIVER DRAINAGE AREA WILL HAVE HIGH EARLY FLOWS AND REMAIN WELL ABOVE AVERAGE INTO THE SUMMER.

MARTIN CREEK IS PREDICTED TO FLOW ABOUT 250 PERCENT OF NORMAL THIS YEAR. THE FLOW OF THE LITTLE HUMBOLDT RIVER IS PREDICTED TO REACH THE HUMBOLDT THIS YEAR.

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	57	72	84

NOTE:
All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Martin Creek near Paradise Valley	35	5	14
2. Humboldt River at Palisade	310	81	154
3. Humboldt River at Comus	245	54	110

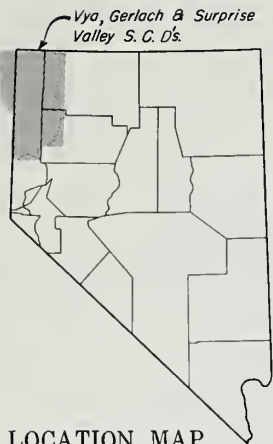
SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Buckskin, Lower	6700	3/26	41	16.1	1.1	7.0
Buckskin, Upper	8200	3/26	38	14.1	4.0	9.2
Disaster Peak	6500	3/25	65	28.7	1.2	9.5
Denio Creek (Oregon)	6000	3/24	5	2.1a	0.0a	0.0*
Granite Peak	7800	3/26	60	25.6	11.8	12.6*
Lamance Creek	6000	3/27	43	18.4	T	7.0*
Louse Canyon (Oregon)	6440	3/24	33	12.5a	0.0a	1.6*
Martin Creek	6700	3/26	54	22.5	4.8	8.2
Oregon Canyon (Oregon)	6950	3/24	32	12.2a	0.0a	4.4*
Quinn Ridge	6300	3/24	12	4.1a	0.0a	0.8*
Trout Creek (Oregon)	7800	3/24	33	12.5a	2.4a	7.9*

WATER SUPPLY OUTLOOK

VYA & GERLACH S.C.D'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



LOCATION MAP

Report prepared by
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U.S.D.A.-SOIL CONSERVATION SERVICE
P.O. Box 4850, Reno, Nevada
in cooperation with
NEVADA DEPT. OF CONSERVATION
AND NATURAL RESOURCES

10 0 10 20
SCALE IN MILES



LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- Precipitation Gage



APRIL 1, 1969

FORECASTS FROM APRIL 1 SNOW SURVEYS SHOW THAT THE SURPRISE VALLEY WATER USERS WILL HAVE EXCELLENT SUMMER RUNOFF.

APRIL 1 SNOW SURVEYS ARE A RECORD 206 PERCENT OF AVERAGE FOR THE AREA. DEEP SNOWS IN THE HIGHER ELEVATIONS INSURE CONTINUED ABOVE-AVERAGE FLOWS INTO LATE AUGUST.

THE FORECASTS FOR THE APRIL-JULY PERIOD RANGE FROM 134 PERCENT OF NORMAL ON MILL CREEK TO 156 PERCENT OF NORMAL ON BIDWELL CREEK. COMBINED APRIL-THROUGH-JULY FLOWS ON THE BIDWELL, MILL, DEEP, AND EAGLE CREEKS WILL BE 35,800 ACRE-FEET. THIS IS 150 PERCENT OF NORMAL.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
Bidwell Creek near Ft. Bidwell	18.0	4.0	11.5
Mill Creek above all diversions	6.3	1.9	4.7
Deep Creek above all diversions	5.0	1.1	3.3
Eagle Creek near mouth of canyon	6.5	2.4	4.3

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.

SNOW

April 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	ELEVATION				LAST YEAR	AVERAGE
Bald Mountain	6720	3/26	29	8.6	0.0	2.5
Barber Creek (Calif.)	6500	3/27	46	18.6	7.0	10.3*
Cedar Pass (Calif.)	7100	3/28	58	23.6	12.2	15.0
Dismal Swamp (Oregon)	7000	3/25	62	23.6a	14.4a	17.6*
Eagle Peak (Calif.)	7200	No survey			8.1	14.2
49-Mountain	6000	3/26	28	10.4	0.0	2.6*
Hays Canyon	6400	3/27	27	10.8	0.0	2.9*
Little Bally Mountain	6000	3/25	20	7.6a	0.0a	1.5*
Reservation Creek (Calif.)	5900	3/26	43	18.0	4.2	10.3*

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Army
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U.S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Cooperative Snow Surveys
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
- Nevada State Forester-Firewarden
- Oregon Cooperative Snow Surveys
- University of Nevada
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas & Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Squaw Valley Development Company
- Truckee-Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
P.O. Box 4850

RENO, NEVADA 89505

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COOPERATIVE SNOW SURVEYS

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necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*